



MANIPAL COLLEGE OF NURSING
MANIPAL
(A constituent unit of MAHE, Manipal)

Syllabus

(As per INC Regulation)

Outcome Based Education (OBE) Framework

Basic B.Sc. Nursing Degree
(Four Year B.Sc. Nursing Program)

Manipal College of Nursing Manipal

(A constituent unit of MAHE, Manipal – 576 104)

(w.e.f. August 2020)

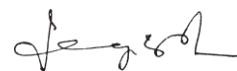
Preface

Indian Nursing Council (INC) is a National statutory body. The main function of INC is to have Uniform Standard of Nursing Education in the country. National Health Policy 2002 has emphasized on improving the skill-level of nurses, and on increasing the ratio of degree-holding nurses vis-à-vis diploma-holding nurses.

The revision of syllabus was undertaken by the Indian Nursing Council. This process was initiated by having series of consultations with the various experts, nursing teachers and nursing service personnel from Administration and University. The duration of the programme is 4 years including 6 months' internship.

While revising the syllabus the INC has taken into account the minimum infrastructure required i.e., Physical, Clinical, Laboratory, Library Facilities and Teaching Staff. In order to facilitate the teachers to effectively implement the revised syllabus, Indian Nursing Council has developed a new format syllabus wherein details of the units has been worked out. I am confident that this revised syllabus will be able to prepare nurses to provide qualitative nursing care in the hospital and community.

I take this opportunity to acknowledge the contribution of Dr. Manju Vatsa, Principal, AIIMS (Chairperson) and other core committee members in the preparation of this document. I also acknowledge Ms. K. S. Bharati for designing and formatting the documents.



(T. Dileep Kumar)

President
Indian Nursing Council
and Nursing Adviser to
Govt. of India

(Note : Taken as it is from the INC SYLABUS- Fourth Revision 2004)

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PHILOSOPHY

Faculty of MCON believes that:

Health is a state of well-being that enables a person to lead a psychologically, socially and economically productive life. Health is a right of all the people. Individuals, families and communities have a responsibility towards maintaining their health.

Nursing contributes to the health services in a vital and significant way in the health care delivery system. It recognizes national health goals and is committed to participate in the implementation of National Health policies and programmes. It aims at identifying health needs of the people, planning and providing quality care in collaboration with other health professionals and community groups.

Scope of nursing practice encompasses provision of promotive, preventive, curative and rehabilitative aspects of care to people across their life span in wide variety of health care settings. Practice of nursing is based upon application of basic concepts and principles derived from the physical, biological and behavioral sciences, medicine and nursing.

Nursing is based on values of caring, and aims to help individuals to attain independence in self-care. It necessitates development of compassion and understanding of human behavior among its practitioners to provide care with respect and dignity and protect the rights of individuals & groups.

Undergraduate nursing program is broad based education within an academic framework specifically directed to the development of critical thinking skills, competencies & standards required for practice of professional nursing and midwifery as envisaged in National Health Policy 2017.

The teachers have the responsibility to be role models and create learning environment that enables students to acquire inquiry driven, self-directed learning and foster an attitude of lifelong learning.

Undergraduate nursing education program prepares its graduates to become exemplary citizen by adhering to code of ethics and professional conduct at all times in fulfilling personal, social and professional obligations so as to respond to national aspirations.

1. INTRODUCTION

The Learning outcome-based approach to curriculum planning and development is that higher education qualifications such as Bachelor's degree programmes are awarded on the basis of demonstrated achievement of outcomes (expressed in terms of knowledge, attitude and psychomotor skills) and academic standards expected of graduates of a programme of study.

The expected learning outcomes are used as reference points that would help to formulate graduate attributes, qualification descriptors, programme learning outcomes and course learning outcomes which in turn will help in curriculum planning and development, and in the design, delivery and review of the academic programs.

The overall objective of the learning outcome-based curriculum framework is to:

- Help formulate graduate attributes, qualification descriptors, program learning outcomes and course learning outcomes that are expected to be documented by the holder of the qualification.
- Enable prospective students, parents, employers and others to understand the nature and level of learning outcomes. Graduate of a program should be capable of demonstrating on successful completion of the program of the study.
- Maintain national standards and international comparability of learning outcomes and academic standards to ensure global competencies and to facilitate student /graduate mobility.
- Provide higher education institutes an important point of reference for designing teaching learning strategies, assessing student learning levels and periodic review of programmes and academic standards.

The learning outcome-based curriculum framework for a BSc Nursing Degree is intended to provide a broad framework within which the nursing degree program responds to the needs of the students and the intends of the program to the society. The framework is expected to assist in the maintenance of the standard of nursing practice across the country. The framework is intended to allow for flexibility and innovation in program design, teaching learning process and assessment of student learning outcomes.

2. NATURE AND EXTENT OF THE PROGRAM

B.Sc. Nursing is a four year graduate program. Students with the science stream in the PUC are enrolled. The course work includes Basic science, Social and behavioral sciences, Nursing science, Education Research and Management. The course work also includes hands on experience in health care and community settings.

The B.Sc. Nursing Program prepare graduate to assume responsibilities as professional competent nurse and midwife in providing promotive, preventive, curative and rehabilitative services. The program prepares the graduate to make independent decisions in nursing situations, protect the rights of individuals, facilitate individuals and groups in pursuit of health, function in the hospital, community nursing services, and conduct research studies in the areas of nursing practice. They are also expected to assume the role of teacher, supervisor and manager in a clinical or public health setting.

3. **PROGRAM EDUCATIONAL OBJECTIVES (PEO)**

Program educational objectives are broad statements that describe what graduates are expected to attain within few years of graduation. Program educational objectives are based on the needs of the program's constituencies.

The overall objectives of the Learning Outcomes-based Curriculum Framework (LOCF) for **Basic Nursing program** are as follows.

PEO No	Education Objective
PEO 1	Apply knowledge of basic and behavioural sciences in providing evidence based comprehensive nursing care to individuals, families and communities.
PEO 2	Practice within the framework of code of ethics, legal boundaries and participate effectively as members of the health care delivery system.
PEO 3	Demonstrate leadership, communication, teaching and managerial skills in various health care settings.
PEO 4	Engage in continuous professional and personal development.

4. **GRADUATE ATTRIBUTES:** The graduate attributes reflect the particular quality and feature or characteristics of an individual, including the knowledge, skills, attitudes and values that are expected to be acquired by a graduate through studies at the higher education institution such as college or university. The graduate attributes define the characteristics of a student's university degree programme (s) and describe a set of characteristics/competencies that are transferable beyond study of particular subject area and programme context in which they are developed.

The Graduate attributes of a B.Sc. Nursing Degree programme include:

S No.	Attribute	Description
1	Knowledge and Critical thinking	Demonstrate critical thinking skills in making decision in all situations understanding lifestyle and other factors in order to provide quality nursing care to individuals families and communities based on steps of nursing process.
2	Person centered care, individuals and families	Practice comprehensive nursing care for individual and family in various health care settings.
3	Communication and team work	Communicate effectively with individuals and groups and members of the health team in order to promote effective interpersonal relationship and teamwork with client, family, community and healthcare professionals.
4	Professional competence& lifelong learning	Demonstrate awareness and interest in the profession and contribute towards the advancement of self and profession.
5	Leadership and teaching	Demonstrate leadership, managerial and teaching skills in hospital and community health settings.
6	Ethical practice	Understand the ethical principles and practice within the framework of code of ethics, professional conduct and standards of nursing practice.
7	Social responsibility with focus on sustainability	Provide promotive, preventive and restorative health services by utilizing the latest trends and technology in line with national health policies and programs in providing health care.

5. **QUALIFICATIONS DESCRIPTORS:** A qualification descriptor indicates the generic outcomes and attributes expected for the award of a particular type of qualification. The qualification descriptors reflect both disciplinary knowledge and understanding as well as generic skills, including global competencies, that all students in different academic fields of study should acquire/attain and demonstrate.

The qualification descriptors are as follows:

- Demonstrate comprehensive knowledge about basic science, behavioral, social and nursing sciences to identify health problems and issues.
 - Demonstrate skill in identification of individual, family and community needs for providing quality care in clinical and community settings.
 - Communicate effectively with individuals, groups and members of the health team in order to promote effective interpersonal relationships and teamwork.
 - Provide comprehensive nursing care to patient based on professional standards of practice defined by the discipline of Nursing.
 - Conduct need based research studies in various settings and utilize the research findings to improve the quality of care
6. **PROGRAM OUTCOMES:** The program outcomes are aligned with the relevant qualification descriptors. They describe the subject specific skills and generic skills including transferable global skills and competencies, the achievement of which the students of a specific programme of study should be able to demonstrate for the award of the certificate/Diploma/degree qualification. The programme learning outcomes would also focus on knowledge and skills that prepare students for further study, employment and citizenship.

After successful completion of B.Sc. Nursing Program, graduates will be able to:

PO No.	Attribute	Competency
PO 1	Knowledge and Critical thinking	Apply knowledge and critical thinking skills in evidence based nursing practice.
PO 2	Person centered care, individuals and families	Practice comprehensive nursing care for individual ,family and community in various healthcare settings
PO 3	Communication and team work	Communicate effectively and work in teams with client, family, community and healthcare professionals.
PO 4	Leadership and teaching	Demonstrate leadership and teaching skills in nursing education and practice.
PO 5	Professional competence & lifelong learning	Engage in continuous professional and personal development
PO 6	Ethical Principles	Apply ethical principles in nursing practice
PO 7	Social responsibility with focus on sustainability	Contribute to the healthcare needs of the society through sustainable development programmes.

7.Course outcomes: The term ‘course’ is used to mean the individual courses of study that make up the scheme of study for a programme. Course outcomes are specific to the learning for a given course of study related to a disciplinary or interdisciplinary area. The course outcomes will be aligned to the program outcomes. (Note: The course outcomes are given along with the respective courses)

Admission Requirements

1. The minimum age for admission shall be 17 years on or before 31st December of the year of admission.
2. The minimum educational requirements shall be the passing of:
Higher Secondary School Certificate Examination (12 years course),
OR
Senior School Certificate Examination (10+2), Pre-Degree Examination (10+2)
OR
An equivalent with 12 years schooling from a recognized board or university with science (Physics, Chemistry, Biology) and English with minimum of 50% aggregate marks (PCBE).
3. Candidate shall be Medically Fit.

Entrance/Selection Test

Selection of the candidates should be based on the merit of the entrance examination held by University or competent authority.

Duration

Duration of the course shall be four years including internship.

Vacation

8 weeks of vacation shall be given in each year.

COURSE DURATION

Course Duration	=	4 Years
Weeks available per year	=	52 weeks
Vacation	=	8 weeks
Gazetted holidays	=	3 weeks
Examination (Including preparatory)	=	4 weeks
Available weeks	=	37 weeks
Hours per week	=	40
Practical	=	30 hours per week
Theory	=	10 hours per week
Internship practical	=	48 hours per week
Hours available per academic year	=	1480 (37 weeks × 40 hours)

COURSE OF INSTRUCTION

B. Sc Nursing

FIRST YEAR						SECOND YEAR					
Subject Code	Subject Title	L	T	P	C	Subject Code	Subject Title	L	T	P	C
BSN101	Anatomy & Physiology					BSN201	Sociology	60	-	-	-
	Section A: Anatomy	60	-	-	-	BSN202	Medical Surgical Nursing - I	210	-	-	-
	Section B: Physiology	60	-	-	-	BSN203	Medical Surgical Nursing - I (Practical)	-	-	720	-
BSN102	Nutrition and Biochemistry					BSN204	Pharmacology, Pathology and Genetics				
	Section A: Nutrition	60	-	-	-		Section A: Pharmacology	45	-	-	-
	Section B: Biochemistry	30	-	-	-		Section B: Pathology & Genetics	30 + 15	-	-	-
BSN103	Nursing Foundations	265	-	-	-	BSN205	Community Health Nursing - I	90	-	135	-
BSN104	Nursing Foundations (Practical)	200	-	450	-	BSN206	Communication and Educational Technology	60 + 30	-	-	-
BSN105	Psychology	60	-	-	-		Library Work/Self Study		50		
BSN106	Microbiology	60	-	-	-		Co-Curricular Activities		35		
BSN107	English	60	-	-	-						
BSN108	Introduction to Computers	45	-	-	-						
	**Hindi/Regional Language	30	-	-	-						
	Library Work/Self Study		50	-	-						
	Co-Curricular Activities		50	-	-						
	Total	930	100	450	-		Total	540	85	855	-

THIRD YEAR						FOURTH YEAR					
Subject Code	Subject Title	L	T	P	C	Subject Code	Subject Title	L	T	P	C
BSN301	Medical Surgical Nursing - II	120	-	-	-	BSN401	Midwifery and Obstetrical Nursing	90	-	-	-
BSN302	Medical Surgical Nursing - II (Practical)	-	-	270	-	BSN402	Midwifery and Obstetrical Nursing (Practical)	-	-	180	-
BSN303	Child Health Nursing	90	-	-	-	BSN403	Community Health Nursing - II	90	-	-	-
BSN304	Child Health Nursing (Practical)	-	-	270	-	BSN404	Community Health Nursing - II (Practical)	-	-	135	-
BSN305	Mental Health Nursing	90	-	-	-	BSN406	Management of Nursing Services and Education	60 + 30	-	-	-
BSN306	Mental Health Nursing (Practical)	-	-	270	-	BSN498	Internship				
							Midwifery & Obstetrical Nursing	-	-	180	-
BSN307	Geriatric Nursing	35	-	40	-		Community Health Nursing	-		195	-
BSN308	Nursing Research & Statistics	50	-	45*	-		Medical Surgical Nursing	-	-	430	-
	Library Work/Self Study		50	-	-		Child Health Nursing	-	-	145	-
	Co-Curricular Activities		50	-	-		Mental Health Nursing	-	-	95	-
	Total	385	100	895	-		Total	270	-	1360	-

Note: L-Lectures; T-Tutorial; P-practical and C- Credit hours The INC SYLLABUS do not give credit hours and hours for tutorials

Course Total: L: 2410 hours, P: 3560 hours

- Project work to be carried out during III year BSc Nursing

Note:

1. Internship means 8 hours of integrated clinical duties in which 2 weeks of evening and night shift duties are included.
2. Internship should be carried out as 8 hours per day @ 48 hours per week.
3. Students during internship will be supervised by nursing faculty members.
4. Fourth year final year examination results shall be withheld till the candidate completes required attendance for practical and internship.

BASIC B.Sc. NURSING DEGREE – SCHEME OF EXAMINATION

First Year

Subject Code	Subject	Assessment			
		Hours	Internal	External	Total
BSN101	Anatomy & Physiology (Theory)	3	13+12	37+38	100
BSN102	Nutrition and Biochemistry (Theory)	3	13+12	45+30	100
BSN103	Nursing Foundations (Theory)	3	25	75	100
BSN104	Nursing Foundations (Practical)		100	100	200
BSN105	Psychology (Theory)	3	25	75	100
BSN106	Microbiology (Theory)	3	25	75	100
BSN107	English (Theory)*	2	10	40	50
BSN108	Introduction to Computer *	2	10	40	50

* As informed by INC, for English and Introduction to Computer – only college exam on maximum marks 50 will be conducted (INC Circular: F.No. 22-10/Univ.-2019-INC dated: 18th April 2019)

Second Year

Subject Code	Subject	Assessment			
		Hours	Internal	External	Total
BSN201	Sociology (Theory)	3	25	75	100
BSN202	Medical-Surgical Nursing – I (Theory)	3	25	75	100
BSN203	Medical-Surgical Nursing – I (Practical)		100	100	200
BSN204	Pharmacology, Pathology, Genetics (Theory)	3	12+13	38+37	100
BSN205	Community Health Nursing – I (Theory)	3	25	75	100
BSN206	Communication and Educational Technology (Theory)	3	25	75	100

Third Year

Subject Code	Subject	Assessment			
		Hours	Internal	External	Total
BSN301	Medical-Surgical Nursing – II (Theory)	3	25	75	100
BSN302	Medical-Surgical Nursing – II (Practical)		50	50	100
BSN303	Child Health Nursing (Theory)	3	25	75	100
BSN304	Child Health Nursing (Practical)		50	50	100
BSN305	Mental Health Nursing (Theory)	3	25	75	100
BSN306	Mental Health Nursing (Practical)		50	50	100
BSN307	Geriatric Nursing	2	15	35	50
BSN308	Nursing Research & Statistics	3	13+12	50+25	100

Fourth Year

Subject Code	Subject	Assessment			
		Hours	Internal	External	Total
BSN401	Midwifery and Obstetrical Nursing (Theory)	3	25	75	100
BSN402	Midwifery and Obstetrical Nursing (Practical)	3	50	50	100
BSN403	Community Health Nursing – II (Theory)	3	25	75	100
BSN404	Community Health Nursing (Practical)	3	50	50	100
BSN406	Management of Nursing Services and Education (Theory)	3	25	75	100

NOTE:

(As per the Letter Received from INC F.No.22-10/Univ.-2019-INC dated: 18th April 2019)

1. Anatomy and Physiology – Question paper will consist of Section A Anatomy of 37 marks and B Physiology of 38 marks.
2. Nutrition and Biochemistry Question paper will consist of Section A Nutrition of 45 marks and Section B of Biochemistry of 30 marks.
3. Pharmacology, Genetics, Pathology: Section A of Pharmacology with 38 marks, Section B of Pathology 25 marks and Genetics with 12 marks.
4. Nursing Research & Statistics – Nursing Research of 50 marks and Statistics of 25 marks.
5. Minimum Pass Marks shall be 40% for English only and to be conducted as college exam and marks to be sent to the University for inclusion in the marks list.
6. Theory and Practical exams for Introduction to Computer to be conducted as College exam and marks to be sent to the University for inclusion in the marks sheet.
7. The student must pass in internal and external examinations in each of the papers separately i.e., student must get 50% marks in both the internal and external examinations separately to be declared pass in any subject.
8. A candidate has to pass in theory and practical exam separately in each of the paper.
9. Candidate must pass in internal and external examinations in each of the papers separately.
10. If a candidate fails in theory or practical exam in a subject, he/she has to re-appear for both the Theory and Practical of that subject.
11. The candidate if fails can be permitted for admission to next year.
12. The candidate has to clear all the previous examinations before appearing in final year examination.
13. The maximum period to complete the course successfully should not exceed double the years of the prescribed course – 8 years.
14. A candidate must have minimum of 80% attendance (irrespective of the kind of absence) in theory and practical in each subject for appearing for examination.
15. A candidate must have 100% attendance in each of the practical areas before the commencement of the next academic year.
16. No institution shall submit average internal marks of the test students more than 75%, i.e. if 40 students are admitted in a course, the average score of the 40 students shall not exceed 75% of total internal marks. (Example of 5 students: A=24, B=20, C=22, D=21, E=24 Average score = 87.16%, this will not be accepted by the State Nursing Registration Council.
17. Maximum number of candidates for practical examination should not exceed 20 per day.
18. All practical examinations must be held in the respective clinical areas.

19. One internal and one external examiner will jointly conduct practical examination for each student.
20. An examiner should be a lecturer or above in a college of nursing with M.Sc. (N) in concerned subject and minimum of 3 years of teaching experience in the collegiate program. To be an examiner for nursing foundations course faculty having M.Sc. (N) with any speciality shall be considered.
21. On completion of internship, internal assessment out of 100 marks should be sent to the University for inclusion in the mark sheet.
22. Final year examination results shall be withheld till the candidate completes required attendance for practical and internship.
23. The candidates if fail in more than one/two subjects in any nursing programme they can be promoted to next year. Only two attempts were allowed before 2012, now a candidate can take any number of attempts with a condition that maximum period allowed is as prescribed for each nursing programme. That is, M.Sc. (N) – 4 years, B.Sc. (N) – 8 years, GNM – 7 years, ANM – 4 years. However, all papers need to be cleared before appearing for the final University Examinations of 4th year B.Sc. Nursing. (Circular F.No. 1-5/2014-INC, dated 29-10-2014.)

Classification of Results

Classification of Grades	B.Sc. (N)
Distinction	$\geq 75\%$
First class	65%- < 75%
Second class	50% - < 65%
Repeaters (more than one attempt)	Pass

Criteria for Passing

Classification of Grades	B.Sc. (N)
Pass	50% * 40% only for English

Name of the Institution / Department:

Manipal College of Nursing Manipal, Fundamentals of Nursing

Name of the Program:	B.Sc. Nursing
Course Title:	Anatomy and Physiology, Section A: Anatomy
Course Code: BSN101	Course Instructor:
Academic Year: 2020-2021	Semester/ Year: First Year
No of Hours: 60	Prerequisites: Having passes pre-university college with the background in basic biology

Synopsis:	The Course is designed to enable students to acquire knowledge of the normal structure of various human body systems and understand the alterations in anatomical structures in disease and practice of nursing.
Course Outcomes (COs):	On successful completion of this course, students will be able to:
CO 1:	Describe anatomical terminology and locations of organs of each system
CO 2:	Explain the gross anatomical structures of various body systems
CO 3:	Describe the histology of various human body systems
CO 4:	Apply the knowledge of alterations of structures in structures in disease conditions and its applications and implications in nursing

Mapping of COs to POs

COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
CO 1	x						
CO 2	x						
CO 3	x						
CO 4	x	x					

Course content and outcomes:

Content	Competencies	No of Hours
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Unit 1: Introduction to anatomical terms organization of the human body

Organization of human body, Anatomical Terms, Cell structure, Body tissues, Membranes and Glands, Alterations in the cell Applications and Implications in nursing	- List the levels of organization of the body system (C1) - Use directional terms to describe the location of the body parts(C1) - Locate the major body regions on a chart (C1, P2) - Describe the planes used in making sections of the body (C1) - Name the major body cavities, and their subdivisions and membranes(C1) - Name the organs located in the body cavity (C1) - Describe the structure of human cell, cell organelles & cell division (C2) - Discuss the formation of cells and tissues (C2)	5
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	- Name the types of body tissues (C1) - Name the types of epithelial tissues (C1) - Describe the distinguishing characteristics of each type of epithelial tissue (C2, P2) - Indicate the common location of epithelial tissues (C2) - Describe the distinguishing characteristics of each type of connective tissue (C2, P1) - Indicate the common location of connective tissue (C2) - Name the three type of connective tissues(Cartilages)(C1) - Describe each type of membranes with example(C2) - Describe the major disorders of the cells and tissues (C2)	
Unit 2: The Skeletal System		
The structure of bone tissue, Growth and formation of bone, Classification of bones, Divisions of Skeleton, Classification of joints, Movements and structure of joints, Disorders of bones and joints,	- Describe the basic functions of the skeletal system (C1) - Explain the structure of the long bone and microscopic structure of compact bone (C2, P2) - Discuss the bone formation and growth (C2) - List the types of bones (C1) - Describe the various bones of human body (C2) - Name the division of the skeleton (C1) - Identify the bones of axial skeleton (C1, P1) - Identify the bones of the appendicular skeleton (C1, P1) - Classify joints (C1) - Compare the immovable, slightly movable and freely movable joints (C2) - Explain the structure of synovial joint (C2, P1) - Identify the movements at synovial joints (C1 P2) - Explain three types of bursae (C2) - Describe the common disorders of bone and joints (C2)	7
Unit 3: Muscular System Structure of skeletal Muscle, Muscle types, Muscle groups, Alteration in disease, Applications and implications in nursing	- Explain the structure of skeletal, smooth, and cardiac muscle (C2) - Describe the structure of a muscle fibre and the motor unit (C2) - Discuss the muscle groups of various parts of the body (C2) - Compare basic difference between the structure of skeletal, smooth, and cardiac muscle (C1, C2) - Describe the location and action of the major muscles of the body (C2) - Describe the common disorders of the muscles of the body (C2)	6

Unit 4: The Nervous System		
Structure of neurons and neuroglia, Organization of nervous system, Central nervous system, Peripheral nervous system, Autonomic Nervous System, Alteration in disease Applications and implications in nursing	• Name the anatomical and functional divisions of the nervous system (C2) • Explain the structure of neurons (C2) • Compare the three types of neurons (C2) • Compare the five types of neuroglial cell (C2) • List the principle parts of the brain (C1) • Describe the structure of meninges and its layers (C2) • Describe the parts of cerebrum - Major sulci and gyri, functional areas (C2) • Describe the parts of white matter of cerebrum- corpus callosum and internal capsule (C2) • Describe the parts of basal ganglia and diencephalon -parts and location (C2) • Describe the parts of cisterns and ventricles of brain – CSF formation and circulation • Describe brainstem – the parts, cranial nerve, nuclei in it, Cerebellum – Parts, nuclei, Peduncles (C2, P2) • Describe the structure of spinal cord, spinal nerves, nerve plexuses (C2) • List the 12 cranial nerves (C1) • Compare the structure of sympathetic, parasympathetic system (C2) • Describe the somatic nervous system (C2) • Describe the common brain disorders and spinal disorders (C2)	6
Unit 5: The Sensory Organs		
The structure of sensory organs, Alteration in disease Applications and implications in nursing	• Explain the structure of skin and its appendages (C2) • Describe the location of receptors for heat, cold, touch, pressure, and pain (C2) • Describe the structure of eye and its accessory organs (C2, P2) • Discuss the structure of ear (Auditory apparatus). (C2, P2) • Explain the structure of nose (olfactory apparatus) (C2, P2) • Discuss the structure of tongue (C2, P2) • Describe the common disorders of sensory organs (C2)	6
Unit 6: The Circulatory and lymphatic System		
The structure of heart and blood vessels, Major arteries and veins of the human body, The components of lymphatic system, Alterations in disease	Heart and Blood Vessels: • Describe the position of heart in the thoracic cavity. (C2) • Describe the structure of the heart wall including pericardium (C2) • Discuss the external and internal anatomy of the chambers of the heart (C2, P2) • Explain the gross features of chambers of heart including blood supply (C2, P2)	7

applications and implications in nursing	- Classify the blood vessels (C2) - Explain the structure of arteries, arterioles, capillaries, venules, and veins (C2, P2) - Identify the major systemic arteries of the body - Aorta, Axillary artery, Brachial artery, Radial & Ulnar artery, Femoral & Popliteal artery (C2, P2) - Identify the major systemic veins of the body - SVC, IVC, portal vein (C2, P2) - Describe the common disorders of heart and blood vessels (C2) Lymphatic system: - List the components of lymphatic system (C2) - Describe the organization of lymphatic vessels and lymph (C2) - Explain the structure of lymphatic organs -Lymph nodes, Tonsils, Thymus gland, and Spleen (C2, P2) - Describe the structure of lymphatic supply to breast (C1) - Describe the common disorders of lymphatic system (C2)	
Unit 7: The Respiratory System		
Structure of nose, pharynx, larynx, trachea, bronchi, Structure of Bronchial tree including lungs, Muscles of respiration, Alterations in disease applications and implications in nursing	- Name the major parts of the respiratory system (C2) - Describe the parts of nasal cavity (C1) - Describe the nasal cavity including medial & lateral wall of nose (C2,P2) - Explain the structure of the pharynx (C2) - Name the cartilages and membranes of the larynx (C1) - Explain the structure of larynx (C2,P2) - Explain the structure of the trachea (C2, P2) - Explain the structure of the bronchial tree (C2) - Describe the structure of hilum with mediastinal surfaces of right & left lung (C2, P2) - Describe the structure of Broncho - pulmonary segments (C2, P2) - Explain the structure of pleura (C2) - Explain the muscles of respiration: Intercostal and Diaphragm (C2, P2) - Describe the common disorders of respiratory system(C2)	5
Unit 8: The Digestive System		
The structure of digestive system, Regions of alimentary digestive system, Accessory organs of digestion, Alterations in disease applications and implications in nursing	- Name the major organs of the digestive system (C2) - List the layers of the walls of the digestive tract (C2) - Discuss the structure of Mouth, Pharynx, Oesophagus (C2) - Explain the structure of Salivary glands (C2) - Discuss the structure of Stomach (C2, P2) - Discuss the structure of Small and Large intestine (C2, P2) - Name the major accessory organs of digestion (C2, P2) - Explain the structure of liver, gallbladder and CBD (C2, P2) - Explain the structure of Pancreas (C2, P2)	6

	Describe the common disorders of the digestive system (C2)	
Unit 9: The Excretory System (Urinary)		
The structure of Urinary system, Alterations in disease applications and implications in nursing	- Describe the structure of the kidney including blood supply (C2, P2) - Name the parts of a nephron (C2) - Describe the structure of a nephron (C2) - Describe the structure of ureters, urinary bladder, urethra (C2, P2) - Describe the common disorders of the urinary system (C2)	4
Unit 10: The Endocrine System		
The components of endocrine system, Alterations in disease Applications and implications in nursing	- Name the endocrine glands (C1) - Explain the location of endocrine glands (C2) - Describe the structure of pituitary gland (C2, P2) - Describe the structure of thyroid gland (C2, P2) - Describe the structure of parathyroid gland (C2) - Describe the structure of Islets of pancreas (C2) - Describe the common disorders of endocrine system (C2)	4
Unit 11: The Reproductive System including Breast		
The components of female and male reproductive system, Alterations in disease Applications and implications in nursing	- Name the parts of female reproductive system (C1) - Describe the structure of the uterus (C2, P2) - Describe the structure of the uterine tubes and ovaries (C2) - Describe the structure of the external genetalia & vagina (C2) - Describe the structure of breast, blood supply(C2) - Name the parts of male reproductive system (C1) - Describe the structure of the testes (C2, P2) - Describe the structure of assessor ducts - Epididymis, vas deferens, ejaculatory duct and urethra (C2) - Explain the structure of accessory gland - Seminal vesicle and Prostate (C2,P2) - Describe the parts of penis (C1) - Describe the common disorders of male and female reproduction system (C2)	4
Learning strategies, contact hours and student learning time		
<i>Learning strategy</i>	<i>Contact hours</i>	<i>Student learning time (Hrs)</i>
Lecture	52	104
Seminar	-	-
Demonstration/dissection	08	-
Revision	02	10
Assessment	03	
TOTAL	65	114
Assessment Methods:		
Formative:		Summative:
Objective type questions		University examination
Unit test and Two sessional examination		

Assignment				
Quiz				
Coursera/Online course				
Mapping of assessment with Cos				
Nature of assessment	CO 1	CO 2	CO 3	CO 4
Sessional Examination 1	x	x	X	x
Sessional Examination 2	x	x	X	x
Assignment	x	x	X	x
University Examination	x	x	x	x
Feedback Process	● Course feedback			
Reference Material	1. Ashalatha PR, Deepa G. Textbook of Anatomy & Physiology for nurses. 4rd edition. Jaypee Brothers Publications. 2014. 2. Madyastha S. Manipal Manual of Anatomy for Allied Health Science. 3rd edition, CBS Publication. 2020. 3. Tortora G.J. Principles of Anatomy & Physiology. 14th edition. Wiley’s Publication. 2014.			

Assessment Mapping

Topics/Unit	Competency level	Impact	Frequency	I X F	Weightage	Marks	Set 1			Set 2			Set 3			Set 4			Set 5		
							SN(3mk)	SA(2mk)	MCQ	SN(3mk)	SA(2mk)	MCQ	SN(3mk)	SA(2mk)	MCQ	Essay	SA	MCQ	Essay	SA	MCQ
Introduction to Anatomical terms Organization of the Human Body	C1, C2, P2	1	1	1	0.014492754	1			1			1			1			1			1
The Skeletal System	C1, C2, P2	3	3	9	0.130434783	5		2	3	3		2		4	1	3		2		2	3
The Muscular System	C1, C2, P2	2	2	4	0.057971014	2			2		2				2			2			2
The Nervous System	C1, C2, P2	3	3	9	0.130434783	5	3		2		2	3	3		2		2	3	3		2
The Sensory Organs	C1, C2, P2	2	2	4	0.057971014	2		2			2				2		2			2	
The Circulatory and lymphatic System	C1, C2, P2	3	3	9	0.130434783	5	3	2		3		2	3	2		3		2	3	2	
The Respiratory System	C1, C2, P2	3	3	9	0.130434783	5	3		2		4	1	3		2		4	1	3		2
The Digestive System	C1, C2, P2	3	3	9	0.130434783	5	3		2	3		2	3		2	3		2	3		2
The Excretory System (Urinary)	C1, C2, P2	3	3	9	0.130434783	4		2	2	3		1		2	2	3		1		2	2
The Endocrine System	C1, C2, P2	1	2	2	0.028985507	1			1			1			1			1			1
The Reproductive System including Breast	C1, C2, P2	2	2	4	0.057971014	2		2				2		2			2			2	
Total				69		37	12	10	15	12	10	15	12	10	15	12	10	15	12	10	15

Summary	Impact	Frequency
Short note 4x3= 12 marks	1=Nice to know	1=Rarely
Short answer 5x2=10 marks	2=Need to know	2=Relatively common
MCQ 15x1=15 marks	3=Must know	3=very common
Total: 37 marks		

Reference: Dr Kevin McLaughlin, University of Calgary, Undergraduate Medical Education, Calgary, Alberta, Canada. Twelve tips for blueprinting. ISSN0142-159X print/ISSN 1466-187X online/09/040322-3 2009 Informa health care Ltd. DOI:10.1080/01421590802225770
 Weightage=I X F/SUM OF I X F
 Marks = weightage×37

Name of the Institution / Department:
Manipal College of Nursing Manipal, Fundamentals of Nursing

Name of the Program:		B.Sc. Nursing					
Course Title:		Anatomy and Physiology, Section B: Physiology					
Course Code: BSN101		Course Instructor:					
Academic Year: 2020-2021		Semester/ Year: First Year					
No of Hours: 60		Prerequisites: Nil					
Synopsis:	This Course is designed to assist the students to acquire knowledge of the normal physiology of various human body systems. To understand the alterations in physiology in diseases and practice of nursing.						
Course Outcomes (COs):		On successful completion of this course, students will be able to:					
CO 1:		Explain the functions of all organs in human body					
CO 2:		Describe the interactions among various organs in human body for maintaining homeostasis.					
CO 3:		Explain the contribution of each organ toward the maintenance of constant internal environment					
CO 4:		Relate the knowledge of physiology in the field of nursing					
Mapping of COs to POs							
COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
CO 1	x						
CO 2	x						
CO 3	x						
CO 4	x	x					
Course content and outcomes:							
Content			Competencies				No of Hours
Unit 1: Cell Physiology							
Cell physiology Basic concepts of homeostasis Alterations in disease Applications and implications in nursing			- Describe parts of the cell (C2) - Discuss functions of cell organelles (C2) - Name the various transport mechanisms across cell membrane(C1) - Describe passive transport mechanisms such as simple diffusion, facilitated diffusion and osmosis (C2) - Describe primary and secondary active transport mechanisms(C2) - Define homeostasis and describe the homeostatic mechanism(C2) - Mention the total body water as percentage of body weight and its distribution(C1) - Classify body fluid compartments and give the ionic composition of body				4

	fluids(C2) Identify alterations in disease, applications and implications in nursing(C3) Cell death, Metaplasia, Hyperplasia, Dysplasia, Atrophy, Hypertrophy	
Unit 2: Skeletal System		
Bone formation and growth Bone functions and movement of bones of axial and appendicular skeleton, bone healing Joints and joint movement Alterations in disease Applications and implications in nursing	Will be discussed in Anatomy	4
Unit 3: Muscular System		
physiology of muscle contraction, Alterations in disease Applications and implications in nursing	- List the types of muscle (C1) - Compare skeletal, cardiac and smooth muscles(C2) - Describe structure of skeletal muscle and sarcomere (C2, P2) - Describe neuromuscular junction (C2) - Explain neuromuscular transmission in skeletal muscle(C2) - Describe neuromuscular blockers(C2) - Explain excitation contraction coupling in skeletal muscle(C2) - Identify the alterations in disease, applications and implications in nursing(C3) Myasthenia Gravis, Muscle cramps, Rigor mortis	4
Unit 4: Nervous System		
Functions of neuralgia and neurons Stimulus and nerve impulse, muscle tone Definitions & mechanisms Functions of brain, spinal cord, cranial and spinal nerves Cerebrospinal fluid composition, circulation and function Reflex arc, reflex action and reflexes Autonomic functions Pain: somatic, visceral and referred Alterations in disease	- Describe the morphology of a neuron (C2) - Explain the functions of Neuroglia & neurons (C2) - Describe the structure and functions of myelinated and unmyelinated nerve fibers (C2) - Define stimulus & nerve-impulse(C1) - Describe resting membrane potential(C2) - Draw and label the action potential (C2 P2)	7

Applications and implications in nursing	• Describe the ionic basis of the action potential (C2) • Outline the organization of nervous system (C1) • Outline the organization of autonomic nervous system(ANS) C1) • Enumerate the functions of ANS (C1) • Name the functional areas of cerebral cortex and their functions (C1) • Classify sensory receptors according to type and location of stimulus, giving examples for each (C2) • Define 'synapse' (C1) • Describe the structure of a synapse (C2) • Explain the events in synaptic transmission (C2) • List the properties of synapse(C1) • Describe somatic and referred pain with examples (C2) • Define reflex (C1) • Enumerate the components of a reflex arc with the help of a diagram (C1 P2) • Describe the stretch reflex with the help of a diagram(C2) • Outline the general organization of sensory pathways(C1) • Describe the dorsal column and lateral spinothalamic tract with the help of labelled diagrams (C2 P2) • List the different sensations that are carried by the above pathways (C1) • Describe the pyramidal/corticospinal tract with the help of a labelled diagram (C2 P2) • Tabulate the differences between 'upper motor neuron lesion' and 'lower motor neuron lesion (C2) • Explain the functions of brain and spinal cord (C2) • Name cranial and spinal nerves(C1) • Enumerate the functions of cerebellum(C1) • Name the parts of basal ganglia (C1)	
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	• Enumerate the functions of basal ganglia (C1) • Explain the functions of thalamus (C2) • Describe limbic system and reticular formation(C2) • Explain the functions of hypothalamus (C2) • Describe the formation, circulation, absorption, composition and functions of CSF (C2) • Give the method of collection of a sample of CSF and its indications (C1) • Identify the alterations in disease, applications and implications in nursing(C3) Clinical features of Cerebellar lesion, Parkinson's disease, Hydrocephalus	
Unit 5: Circulatory System		
Blood formation, composition, blood group, blood coagulation Haemoglobin: function and variations Functions of heart, conduction, cardiac cycle, circulation, principles, control factors influencing BP and pulse Alterations in disease Applications and implications in nursing	• Describe the composition of blood(C2) • List the functions of blood(C1) • Name the different types of plasma proteins (C1) • List the functions of plasma proteins(C1) • Describe the morphology and functions of red blood cells (C2) • Mention the normal count of RBC and its variations (C1) • Describe the stages and factors influencing erythropoiesis(C2) • Mention the normal value of haemoglobin concentration and its variations(C1) • State the functions of haemoglobin (C1) • Classify White Blood Cells (WBC) (C2) • List the functions of WBCs(C1) • Describe phagocytosis(C2) • Mention the normal count of various types of WBCs (C1) • Mention the normal range of platelets and its variations(C1) • List the functions of platelets(C1)	8

	• Define haemostasis(C1) • Describe the various stages involved in haemostasis (C2) • List the clotting factors(C1) • Describe the intrinsic and extrinsic pathways of coagulation (C2) • Describe the ABO and Rh systems of blood grouping(C2) • Explain the importance of blood grouping(C2) • Describe cross matching(C2) • List the hazards of blood transfusion(C1) • Describe the structure and functions of heart (C2) • Describe the innervation of heart and blood vessels(C2) • Describe the properties of cardiac muscle(C2) • Explain the pulmonary and systemic circulation (C2) • Define cardiac cycle (C1) • State the normal duration of cardiac cycle (C1) • Explain the various events occurring during a cardiac cycle with the help of graphs (C2 P2) • Describe the genesis of heart sounds(C2) • Enumerate the differences between first and second heart sounds(C2) • Describe the conduction system of the heart(C2) • Define electrocardiogram (ECG) (C1) • Draw a labeled diagram of a normal ECG recorded from limb lead II (C2 P2) • Describe the waves and intervals of ECG (C2) • List the uses of ECG(C1) • Mention the normal value of heart rate and list its variations (C1) • Describe the regulation of heart rate(C2) • Define cardiac output (C1)	
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	• State the normal value of cardiac output (C1) • List the conditions in which CO is altered(C1) • Describe the regulation of cardiac output(C2) • Define blood pressure (BP) (C1) • Mention the normal value of BP(C1) • List the factors influencing BP(C1) • List the conditions in which BP is altered. • Describe the short term regulation of arterial blood pressure(C2) • Identify the alterations in disease, applications and implications in nursing(C3) Anaemia, Polycythrmia, Erythroblastosis fetalis Cause and Clinical features Thrombocytopenia, Haemophilia, Vitamin K deficiency, Tachycardia, Bradycardia, Arrhythmias, Hypertension, Hypotension, Myocardial infraction, Atherosclerosis, CAD(Coronary artery disease), Shock	
Unit 6: Respiratory System		
Functions of respiratory organs Physiology of respiration Pulmonary ventilation Volume Mechanisms of respiration Gaseous exchange in lungs Carriage of oxygen and carbon dioxide Exchange of gases in tissues Regulation of respiration Alterations in disease Applications and implications in nursing	• Describe the functional anatomy of the respiratory system (C2) • Name the muscles of respiration(C1) • Describe the mechanism of inspiration and expiration(C2) • Describe the intra-pulmonary and intra-pleural pressure changes during the various phases of respiration(C2) • Describe surfactant and lung compliance(C2) • Draw a labelled spirogram (C2 P2) • Define various lung volumes and capacities (C1) • Mention the normal values of lung volumes and capacities (C1) • Define pulmonary ventilation (C1) • Give the normal value of pulmonary ventilation (C1)	6

	• Define alveolar ventilation(C1) • Mention the normal value of alveolar ventilation(C1) • Define anatomical dead space (C1) • Mention the normal value of anatomical dead space (C1) • Describe the structure of respiratory membrane (C2) • List the factors affecting diffusion of gases across it (C1) • Mention the forms in which oxygen is transported in the blood(C1) • Describe the oxygen-hemoglobin dissociation curve (C2 P2) • List the factors shifting the oxygen-hemoglobin dissociation curve to the right and to the left(C1) • Mention the forms in which carbon dioxide is transported in the blood(C1) • Describe the mechanism of carbon dioxide transport(C2) • Explain the neural regulation of respiration(C2) • Explain the chemical regulation of respiration(C2) • Identify the alterations in disease, applications and implications in nursing(C3) Pleural effusion, Hypoxia, Cyanosis, Asphyxia, Dysnea, Apnea	
Unit 7: Digestive System		
Functions of organs of digestive tract Movements of elementary tract, digestion in mouth, stomach, small intestine, large intestine Absorption of food, functions of liver, gall bladder and pancreas Alterations in disease Applications and implications in nursing	• List the parts of digestive system and mention their functions (C1) • Mention the composition of saliva (C1) • Explain the functions of saliva (C2) • Describe the regulation of salivary secretion (C2) • Define deglutition (C1) • Explain the stages of deglutition (C2) • Describe the functions of stomach (C2) • Mention the composition of gastric juice (C1)	6

	• Describe functions of gastric juice (C2) • Describe the regulation of gastric juice secretion (cephalic, gastric and intestinal phases) (C2) • Outline the composition of pancreatic juice (C1) • Describe the functions of pancreatic juice (C2) • Describe the neural and hormonal regulation of pancreatic juice (C2) • Outline the composition of hepatic bile(C1) • Describe the functions of bile(C2) • Enumerate the functions of gall bladder (C1) • Describe the composition and functions of small intestinal secretions (C2) • Explain different types of small intestinal movements and their significance(C2) • List the functions of large intestine(C1) • Describe the digestion and absorption of food (C2) • Identify the alterations in disease, applications and implications in nursing(C3) Xerostomia, Dysphagia, Achalasia cardia, GERD (Gastro oesophageal reflux disease), Vomiting, Diarrhoea, Gastritis, Peptic ulcer, Gall stones, Pancreatitis	
Unit 8: Excretory System		
Functions of kidneys, ureters, urinary bladder, urethra Composition of urine Mechanism of urine formation Functions of skin Regulation of body temperature Fluid & electrolyte balance Alterations in disease Applications and implications in nursing	• Name the parts and functions of excretory system (C1) • Mention the composition of urine (C1) • Describe the steps in urine formation(C2) • Define glomerular filtration rate (GFR) (C1) • Mention the normal value of GFR (C1)	5

	• Explain the factors influencing GFR (C2) • Describe tubular reabsorption of sodium, glucose and water (C2) • Define tubular load, renal threshold and tubular/transport maximum (C1) • Mention the normal values for tubular load, renal threshold and tubular/transport maximum (C1) • Describe the role of counter current multiplier and counter current exchanger in the formation of urine (C2) • Describe the nerve supply to urinary bladder (C2) • Describe the micturition reflex (C2) • List the functions of skin(C1) • Describe the regulation of body temperature (C2) • Discuss the process of fluid & electrolyte balance (C2) • Identify the alterations in disease, applications and implications in nursing (C3) Oliguria, Anuria, polyuria dysuria, UTI Fever, Hypothermia	
Unit 9: The sensory organs		
Functions of eye, ear, nose, tongue. Alterations in disease Applications and implications in nursing	• Describe the structure of human eye with the help of a diagram (C2) • List the functions of aqueous humour (C1) • Name the photoreceptors (C1) • List the differences between the rods and cones (C1) • Draw the visual pathway (C2) • Explain the defects in field of vision due to lesions of visual pathway at different locations (C2) • Describe the mechanism of accommodation(C2) • Describe the cause and correction for refractory errors of the eye(C2) • Describe colour vision (C2) • Describe the structure and functions of external, middle and inner ear (C2)	4

	• Describe the mechanism of hearing (C2) • List the parts and functions of vestibular apparatus (C1) • Name the receptor for taste and smell and describe its structure (C2) • Name the disorders of taste and smell (C1) • Identify and interpret the alterations in disease, applications and implications in nursing (C3) Glaucoma, Presbyopia, Colour blindness, Squint, Deafness	
Unit 10: The endocrine system		
Functions of pituitary, pineal, thymus, thyroid, parathyroid, pancreas, suprarenal Alterations in disease Applications and implications in nursing	• Name the major endocrine glands and their secretions(C1) • List the anterior pituitary hormones (C1) • Describe the actions of growth hormone (C2) • Describe the regulation of secretion of growth hormone(C2) • List the hormones of posterior pituitary (C1) • Describe the actions of posterior pituitary hormones (C2) • List the hormones of thyroid gland (C1) • Describe the actions of thyroid hormones(C2) • Describe the regulation of secretion of thyroid hormones (C2) • Explain the actions of glucocorticoids (C2) • Describe the regulation of secretion of glucocorticoids (C2) • Describe the actions of mineralocorticoids (C2) • List the hormones of adrenal medulla (C1) • Describe the actions of adrenal medullary hormones (C2) • Describe the actions of PTH (C2) • Describe the regulation of secretion of PTH (C2)	5

	• Describe the effects of hyperparathyroidism (C2) • Describe the actions of insulin (C2) • Describe the regulation of secretion of insulin (C2) • List the actions of glucagon (C1) • List the functions of pineal gland and thymus • Recognize the alterations in disease, applications and implications in nursing (C3) Gigantism, Acromegaly, Dwarfism, Diabetes insipidus, Myxoedema, Cretinism, Goitre, Grave's disease, Tetany, Diabetes mellitus, Cushing's syndrome, Conn's syndrome, Addison's disease	
Unit 11: Reproductive System		
spermatogenesis, oogenesis Functions of female reproductive organ – functions of breast, female sexual cycle Introduction to embryology Functions of male reproductive organs, male functions in reproduction, male fertility system Alterations in disease Applications and implications in nursing	• Describe the organization of male reproductive system(C2) • Describe the structure and functions of testes (C2) • Define spermatogenesis (C1) • Describe the stages of spermatogenesis (C2) • List the actions of testosterone (C1) • Describe the regulation of secretion of testosterone (C2) • Name different contraceptive methods in males (C1) • Describe the structure of female reproductive system(C2) • Describe oogenesis (C2) • Explain the actions of Oestrogen and Progesterone (C2) • Describe the process of fertilization and implantation (C2) • Describe the ovarian changes during menstrual cycle(C2) • Describe the uterine endometrial changes during menstrual cycle (C2) • Describe the indicators of ovulation (C2) • Name different contraceptive methods in females (C1)	5

	- Name the placental hormones and their actions during pregnancy (C1) - Enumerate the functions of placenta (C1) - Describe the maternal changes during pregnancy(C2) - Describe milk ejection reflex (C2) - Identify the alterations in disease, applications and implications in nursing (C3) Oligospermia, Azoospermia, Cryptorchidism, Amenorrhea, Polymenorrhagia, Menorrhagia, Dysmenorrhea	
Unit 12: Lymphatic and immunologic system		
Circulation of lymph Immunity Formation of B cells and T cells Type of immune response Antigens Cytokines Antibodies Alterations in disease Applications and implications in nursing	- Describe the circulation of lymph (C2) - List the functions of lymph(C1) - Define immunity (C1) - Describe the formation of B cells and T cells (C2) - Distinguish the type of immune response, Antigens, Cytokines and Antibodies (C2) - Identify the alterations in disease, applications and implications in nursing (C3) Enema, AIDS, Autoimmune diseases, Allergy and hypersensitivity, Anaphylaxis	2
Learning strategies, contact hours and student learning time		
<i>Learning strategy</i>	<i>Contact hours</i>	<i>Student learning time (Hrs)</i>
Lecture	57	114
Seminar	00	00
Small Group Discussion (SGD)	00	00
Self-directed learning (SDL)	02	02
Problem Based Learning (PBL)	00	00
Case Based Learning (CBL)	00	00
Clinic	-	-
Practical	-	-
Revision	05	10
Assessment	03	
TOTAL	67	126

Assessment Methods:				
Formative:		Summative:		
Unit Test and Sessional examination		University examination		
Assignments/ Coursera (online course)				
Mapping of assessment with Cos				
Nature of assessment	CO 1	CO 2	CO 3	CO 4
Sessional Examination 1	x	x	x	x
Sessional Examination 2	x	x	x	x
Assignment/ Coursera (online course)	x	x	x	x
University Examination	x	x	x	x
Feedback Process	● Course feedback			
Reference Material	1. Marieb, E. N (2009). <i>Human anatomy & physiology</i>. Pearson education. 2. Ashalatha PR., Deepa G (2011). <i>Text book of anatomy and physiology</i>. 3rd edition. Jaypee publication. 3. Venkatesh D., Sudhakar H.H. (2018). Basics of Medical Physiology. 4th edition. Wolters Kluwer (India) Pvt.Ltd. 4. Tortora, G. J., & Derrickson, B. H. (2015). <i>Principles of anatomy and physiology</i>. John Wiley & Sons.			

Assessment Mapping

Topics/Unit	Competency level	Impact	Frequency	I X F	Weightage	Marks	Set 1			Set 2			Set 3			Set 4			Set 5		
							SN	SA	MCQ	SN	SA	MCQ	SN	SA	MCQ	SN	SA	MCQ	SN	SA	MCQ
Cell Physiology	C1, C2, C3	1	1	1	0.0161290	1			1			1			1			1			1
Skeletal and Muscular System	C1, C2, C3	2	2	4	0.0645161	2			2		2			2			2			2	
Nervous System	C1, C2, C3	3	3	9	0.1451612	6	3	2	1		2	4	3	2	1		4	2		4	2
Circulatory System	C2, C3	3	3	9	0.1451612	6		4	2	3	2	1	3	2	1	3	2	1	3	2	1
Respiratory System	C1, C2, C3	3	3	9	0.1451612	5	3	2			2	3		2	3		2	3		2	3
Digestive System	C2, C3	2	2	4	0.0645161	2		2			2			2			2				2
Excretory System	C1, C2, C3	2	2	4	0.0645161	2			2		2				2		2				2
The sensory organs	C1, C2, C3	2	3	6	0.0967741	4		2	2	3		1		2	2		2	2		2	2
The endocrine system	C2, C3	3	2	6	0.0967741	4	3		1		2	2		2	2	3		1	3		1
Reproductive System	C1, C2, C3	3	3	9	0.1451612	5		2	3	3	2		3		2	3		2	3	2	
Lymphatic and immunologic system	C1, C2, C3	1	1	1	0.0161290	1			1			1			1			1			1
				62		38	9	14	15	9	14	15	9	14	15	9	14	15	9	14	15

Summary	Impact	Frequency
Short note 3x3= 9 marks	1=Nice to know	1=Rarely
Short answer 7x2=14 marks	2=Need to know	2=Relatively common
MCQ; 15x1=15 marks	3=Must know	3=very common
Total: 38 marks		

Reference : Dr Kevin McLaughlin, University of Calgary, Undergraduate Medical Education, Calgary, Alberta, Canada. Twelve tips for blueprinting. ISSN0142-159X print/ISSN 1466-187X online/09/040322-3 2009 Informa health care Ltd. DOI:10.1080/01421590802225770
 Weightage=I X F/SUM OF I X F
 Marks = weightage×38

Name of the Institution / Department:

Manipal College of Nursing Manipal, Community Health Nursing

Name of the Program:	B.Sc. Nursing
Course Title:	Nutrition and Biochemistry, Section A: Nutrition
Course Code: BSN102	Course Instructor:
Academic Year: 2020-2021	Semester/ Year: First Year
No of Hours: 60	Prerequisites: Nil
Synopsis:	This course would provide the students to acquire knowledge of nutrition for maintenance of optimum health at different stages of life and its application for practice of nursing.
Course Outcomes (COs):	On successful completion of this course, students will be able to:
CO 1:	Identify the relationship between nutrition & health.
CO 2:	Discuss the sources, functions, requirements, digestion, absorption, storage, metabolism, deficiencies and overconsumptions of micro and macro nutrients.
CO 3:	Appraise the role of nurse in assessment of nutritional status and nutrition education.
CO 4:	Prepare balanced and therapeutic diets.

Note : A1* P1 and P3* domain in practical session

Mapping of COs to POs

COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
CO 1	x						
CO 2	x						
CO 3			x				
CO 4	x						

Course content and outcomes:

Content	Competencies	No of Hours
Unit 1: Introduction		
*Nutrition: - History - Concepts *Role of nutrition in maintaining health *Nutritional problems in India *National nutritional policy *Factors affecting food and nutrition: socio-economic, cultural, tradition, production, system of distribution, life style and food	*Explain the history and concepts of nutrition (C1) *Explain the role of nutrition in maintaining health (C 2) *Discuss the nutritional problems in India (C 2) *Explain National nutritional policy (C 2) *Explain the factors affecting food and nutrition: socio-economic, cultural, tradition, production, system of distribution, life style and food habits etc. (C2) *Describe the role of food and its medicinal value (C 2)	4

habits etc. *Role of food and its medicinal value Classification of food Food standards Elements of nutrition: macro and micro Calorie, BMR.	*Describe classification of food (C1) *Explain food standards (C2) *Explain elements of nutrition: macro and micro *Explain Calorie, BMR (C2)	
Unit 2: Carbohydrates		
* Classification * Calorific value * Recommended daily allowances * Dietary sources * Functions * Digestion, absorption and storage, metabolism of carbohydrates * Malnutrition: deficiencies and over consumption	* Name the classification of carbohydrates (C1) * Explain calorific value of carbohydrates (C2) * Describe recommended daily allowances of carbohydrates (C1) * List the dietary sources of carbohydrates (C1) * Explain the functions of carbohydrates (C2) * Analyze digestion, absorption and storage, metabolism of carbohydrates (C3) * Describe the malnutrition: deficiencies and over consumption of carbohydrates (C2)	2
Unit 3: Fats		
* Classification * Calorific value * Recommended daily allowances * Dietary sources * Functions * Digestion, absorption, storage and metabolism * Malnutrition: deficiencies and over	* Name the classification of fats (C1) * Explain calorific value of fats (C2) * Describe recommended daily allowances of fats (C1) * List dietary sources of fats (C1) * Explain the functions of fats (C2) * Analyze digestion, absorption, storage and metabolism of fats (C3) *Describe the malnutrition: deficiencies and over consumption of fats (C2)	2
Unit 4: Proteins		
* Classification * Calorific value * Recommended daily allowances * Dietary sources * Functions * Digestion, absorption, storage and metabolism	* Name the classification of proteins (C1) * Explain calorific value of proteins (C2) * Describe recommended daily allowances of proteins (C1) * List dietary sources of proteins (C1) * Explain the functions of proteins (C2) * Analyze digestion, absorption, metabolism and storage of proteins (C3)	2

* Malnutrition: deficiencies and over consumption	* Describe malnutrition: deficiencies and over consumption of proteins (C2)	
Unit 5: Energy		
Unit of energy – Kcal * Energy requirements for different categories of people * Measurements of energy * Body Mass Index (BMI) and basic metabolism * Basal Metabolic Rate (BMR) * Determination and factors affecting food and nutrition	Define unit of energy – Kcal (C1) * Explain energy requirements for different categories of people (C2, P2) * List the measurements of energy (C1) * Describe Body Mass Index (BMI) and basic metabolism of energy (C2, P1) * Describe Basal Metabolic Rate (BMR) * Determination and factors affecting food and nutrition (C2, P1)	3
Unit 6: Vitamins		
* Classification * Recommended daily allowances * Dietary sources * Functions * Absorption, synthesis, metabolism storage and excretion * Deficiencies and hypervitaminosis	* Name the classification of vitamins (C1) * Describe recommended daily allowances of vitamins (C1) * List dietary sources of vitamins (C1) * Explain the functions of vitamins (C2) * Analyze absorption, synthesis, metabolism storage and excretion of vitamins (C3) * Explain deficiencies and hypervitaminosis (C2)	4
Unit 7: Minerals		
* Classification * Recommended daily allowances * Dietary sources * Functions * Absorption, synthesis, metabolism storage and excretion * Deficiencies, over consumption and toxicity	* Describe classification of minerals (C1) * Describe recommended daily allowances of minerals (C1) * List dietary sources of minerals (C1) * Explain the functions of minerals (C2) * Analyze absorption, synthesis, metabolism storage and excretion of minerals (C3) * Describe deficiencies, over consumption and toxicity of minerals (C2)	4
Unit 8: Water & Electrolytes		
* Water: daily requirement, regulation of water metabolism, distribution of body water. * Electrolytes: types, sources composition of body fluids * Maintenance of fluid & electrolyte balance * Over hydration, dehydration and	* Explain daily water requirement, regulation of water metabolism, distribution of body water (C2) * Explain electrolytes: types, sources composition of body fluids (C2) * Describe maintenance of fluid & electrolyte balance (C2) * Describe over hydration, dehydration and	3

water intoxication * Electrolyte imbalances	water intoxication (C2) * Identify electrolyte imbalances (C2)	
Unit 9: Cookery Rules and Preservation of Nutrients		
* Principles, methods of cooking and serving * Preservation of nutrients * Safe food handling-toxicity * Storage of food * Food preservation, food additives and its principles * Prevention of Food Adulteration Act (PFA) * Food standards * Preparation of simple beverages and different types of food	* Explain principles, methods of cooking and serving (C4) * Explain methods of preservation of nutrients (C2) * Describe safe food handling-toxicity (C2) * Explain storage of food (C2) * Describe food preservation, food additives and its principles (C2) * Explain Prevention of Food Adulteration Act (PFA) (C2) * Explain Food standards (C2) * Preparation of simple beverages and different types of food (C4, A1, P3)	5 theory 15 practical's
Unit 10: Balanced diet		
* Elements * Food groups * Recommended Daily Allowance * Nutritive value of foods * Calculation of balanced diet for different categories of people * Planning menu * Budgeting of food * Introduction to therapeutic diets * Naturopathy - diet	* Name the elements (C1) * Name the food groups (C1) * Explain Recommended Daily Allowance (C2) * Enumerate nutritive value of foods (C2) * Calculation of balanced diet for different categories of people (C4) * Plan a balanced diet (C5) * Explain budgeting of food (C2) * Prepare therapeutic diets (C3, P3) * Describe naturopathy diet (C2)	7 theory 5 practical's
Unit: 11: Role of Nurse in Nutritional Programmes		
* National programs related to nutrition: • Vitamin A deficiency programme • National iodine deficiency disorders (IDD programme) • Mid-day meal programme • Integrated child development scheme (ICDS) * National and International agencies working towards food/nutrition: • NIPCCD, CARE, FAO, NIN, CFTRI (Central food technology and research institute) etc. * Assessment of nutritional status	* Explain National programmes related to nutrition: • Vitamin A deficiency programme (C2) • National iodine deficiency disorders (IDD programme (C2) • Mid-day meal programme (C2) • Integrated child development scheme (ICDS) (C2) * Explain National and International agencies working towards food/ nutrition: (C2) • NIPCCD, CARE, FAO, NIN, CFTRI (Central food technology and research institute) etc. * Describe methods of assessment of nutritional status (C2) * Discuss Nutrition education and role of nurse (C2, A2)	4

* Nutrition education and role of nurse				
Learning strategies, contact hours and student learning time				
Learning strategy	Contact hours	Student learning time (Hrs)		
Lecture	40	80		
Demonstration	8			
Practical	12	20		
Revision	2	10		
Assessment	3	-		
TOTAL	65	110		
Assessment Methods:				
Formative:		Summative:		
Class tests and Sessional examination		University examination		
Assignment				
Menu planning and preparation				
Mapping of assessment with Cos				
Nature of assessment	CO 1	CO 2	CO 3	CO 4
Sessional Examination 1	x	x		
Sessional Examination 2	x	x	x	
Assignment	x	x	x	x
End Semester Examination	x	x	x	
Feedback Process	● Course feedback			
Reference Material	1. RM Prasad. Textbook of Biochemistry and Nutrition for B.Sc. Nursing. 4 th edition. RM Publications Mangalore. 2011 2. Dr. M Swaminathan. Handbook of food and nutrition. 5 th edition. Bangalore: The Bangalore printing and publishing Co. 2006 3. V Sreemathy, D Sucheta. Nutrition and Biochemistry for Nurses. Elsevier publishers. 2013			

Assessment Mapping

Topics/Unit	Competency level	Impact	Frequency	I X F	Weightage	Marks	Set 1			Set 2			Set 3			Set 4			Set 5		
							SN	SA	MCQ	SN	SA	MCQ	SN	SA	MCQ	SN	SA	MCQ	SN	SA	MCQ
Nutrition and health	C1, C2	2	1	2	0.033	1	-	-	1	-	-	1	-	-	1	-	-	1	-	-	1
Carbohydrates	C1, C2, C3	3	2	6	0.1	5	-	2	3	3	-	2	3	-	2	-	2	3	3	-	2
Fats	C1, C2, C3	2	2	4	0.066	3	3	-	-	3	-	-	-	2	1	3	-	-	-	2	1
Proteins	C1, C2, C3	2	3	6	0.1	5	-	2	3	3	-	2	3	2	-	3	-	2	-	2	3
Energy	C1, C2	2	2	4	0.066	3	-	2	1	-	-	3	-	-	3	3	-	-	3	-	-
Vitamins	C1, C2	2	3	6	0.1	5	3	-	2	3	-	2	-	2	3	-	2	3	-	2	3
Minerals	C1, C2	2	2	4	0.066	3	3	-	-	-	2	1	-	-	3	-	-	3	-	-	3
Water & Electrolytes	C1, C2, C3, C4	2	2	4	0.066	3	-	-	3	-	-	3	-	2	1	-	2	1	-	-	3
Cookery rules, preservation	C1, C2, C3, C4, C5	3	3	9	0.15	6	3	-	3	-	4	2	3	-	3	3	2	1	3	2	1
Balanced & Therapeutic diet	C1, C2, C3, C4, C5	3	3	9	0.15	6	3	2	1	-	4	2	3	2	1	-	2	4	3	-	3
Nurses role in Nutrition	C1, C2	3	2	6	0.1	5	-	2	3	3	-	2	3	-	2	3	-	2	3	2	-
Total				60		45	15	10	20	15	10	20	15	10	20	15	10	20	15	10	20

Summary	Impact	Frequency
Short note 5x3= 15 marks	1=Nice to know	1=Rarely
Short answer 5x2=10 marks	2=Need to know	2=Relatively common
MCQ 20x1=20 marks	3=Must know	3=very common
Total: 45 marks		

Name of the Institution / Department:

Manipal College of Nursing Manipal, Community Health Nursing

Name of the Program:		BSc Nursing					
Course Title:		Nutrition and Biochemistry, Section B: Biochemistry					
Course Code: BSN102		Course Instructor:					
Academic Year: 2020-2021		Semester/ Year: First Year					
No of Hours: 30		Prerequisites: Nil					
Synopsis:	The Course is designed to assist the students to acquire knowledge of the normal biochemical composition and functioning of human body and understand the alterations in biochemistry in diseases for practice of nursing.						
Course Outcomes (COs):		On successful completion of this course, students will be able to:					
CO 1:		Explain the structure, Composition, functions of cell and cell membrane, Prokaryote and Eukaryote cell and techniques of microscopy.					
CO 2:		Discuss types, digestion, absorption, functions and metabolism of micro and macronutrients					
CO 3:		Describe immunochemistry					
CO 4:		Analyse the investigations and interpretations					
Mapping of COs to POs							
<i>COs</i>	<i>PO 1</i>	<i>PO 2</i>	<i>PO 3</i>	<i>PO 4</i>	<i>PO 5</i>	<i>PO 6</i>	<i>PO 7</i>
CO 1	x						
CO 2	x						
CO 3	x						
CO 4	x	x					
Course content and outcomes:							
<i>Content</i>			<i>Competencies</i>			<i>No of Hours</i>	
Unit 1: Introduction							
• Definition and significance in nursing • Structure, composition and functions of cell • Prokaryote and eukaryote cell organization • Techniques of microscopy			• Define Biochemistry (C1) • Explain significance of Biochemistry in Nursing (C2) • Recognize the structure of the cell (C1) • Discuss the composition of the cell (C2) • Explain the functions of cell (C2) • Distinguish between prokaryote and eukaryote cell organization (C2) • Identify techniques of microscopy (C1)			3	
Unit 2: Structure and Functions of cell membrane							
• Fluid mosaic model tight junction, cytoskeleton • Transport mechanisms: diffusion, osmosis, filtration, active channel, sodium pump • <i>Blood chemistry and electrolytes</i>			• Explain Fluid mosaic model tight junction and cytoskeleton(C2) • Discuss transport mechanism: diffusion, osmosis, filtration, active channel, sodium pump(C2) • List the biological fluids employed in biochemical examination (C1)			6	

- Specimen collection and handling of blood and body fluids - Precaution for handling specimen for enzyme estimation, preservatives - Blood values (all routine) • Acid base balance - Normal PH - Mechanisms of regulation - Bicarbonate buffer, Anion gap - Mention disorders with two conditions each - Diagnostic tests	• Explain the precautions for collecting blood (C2) • Explain the preservatives used to collect specimen (C2) • Identifies the duration for preservation of blood specimen (C1) • Explain the process of collecting urine specimen(C2) • Describe the need for adding preservatives to urine sample (C1) • Describe blood values (all routine) (C1) • Explain the process of collecting CSF	
RFT • Clearance and eGFR	• Interpret all routine blood values (C2) • Describe normal pH (C1) • Describe the three lines of defense that regulates body's acid balance (C1) • Explain the features and types of blood buffer(C2) • Discuss respiratory and renal mechanism for pH regulation (C2) • Explain anion gap (C2) • Discuss disorders of acid base imbalance (C2) • Explain the diagnostic tests in measuring acid base balance and its significance (C2) • Renal function Tests: - Describe the importance of renal function test (C1) - Explain the tests to assess the renal function (C1) - Define clearance and e GFR (C1) - Describe the formula to estimate clearance (C1) - Explain creatinine clearance test (C2) - Recognize the normal range of creatinine clearance (C1)	

	– Explain urea clearance test (C2) – Interpret RFT (C2)	
Unit 3: Composition and metabolism of carbohydrates		
• Types, structure, composition and uses □ Monosaccharides, Disaccharides, Polysaccharides, Oligosaccharides • <i>Isomerism</i> (D and L isomerism) • <i>Digestion and absorption</i> • <i>Malabsorption syndrome</i> • <i>Lactose intolerance</i> • <i>Metabolism</i> □ Pathways of glucose: - Glycolysis - Gluconeogenesis: Cori's cycle, Tricarboxylic acid (TCA) cycle - Biological oxidation • <i>High energy compounds (definition and examples)</i> • <i>ETC - Components, Sites of ATP synthesis, inhibitors</i> • <i>Oxidative phosphorylation-</i> • <i>Definition of uncouplers</i> - Glycogenolysis - Pentose Phosphate pathways (Hexose mono phosphate) - <i>Von Gierke's disease</i> - <i>Diabetes mellitus</i> • Regulation of blood glucose level • Investigations and interpretations	• Describe features of carbohydrate(C1) • Classify carbohydrates based on the monomeric unit, functional unit present, number of carbon atoms present with examples each(C1) • Discuss the structure composition and use of monosaccharides, disaccharides, polysaccharides, oligosaccharides (C2) • Describe isomerism (C1) • State the meaning of stereoisomerism (C1) • Describe enantiomerism, anomerism and epimersim with structure (C1) • State the meaning of digestion and absorption (C1) • Explain the digestion of starch(C2) • List the enzymes responsible for the digestion of starch (C1) • Explain the digestion of sucrose (C2) • List the enzymes responsible for the digestion of sucrose (C1) • Explain the digestion of lactose (C2) • List the enzymes responsible for the digestion of lactose(C1) • Explain the digestion of trehalose (C2) • List the enzymes responsible for the digestion of trehalose (C1) • Explain absorption of glucose from intestinal lumen to intestinal mucosa (C2) • Knows the sites for storage of carbohydrates (C1) • Explain the causes, types, clinical features and management of lactose intolerance (C2) • Classify diabetes mellitus (C1)	6

	• Explain metabolic changes and clinical complications in diabetes mellitus (C2) • Explain the features of glucose molecule and process of the formation of the glucose in to energy (C2) • Describe role of hypoglycemic, hyperglycemic hormones and role of organs in maintaining blood glucose level (C2) • Describe glycolysis (C1) • Knows the site of glycolysis (C1) • Explain stages and significance of glycolysis (C1) • Describe Rapoport luebering cycle in RBCs (C2) • Explain significance of diphosphoglycerate (C2) • Enumerate the link reaction (C1) • Define citric acid cycle (C1) • Knows the location of the citric acid cycle(C1) • Describe energetics of citric acid cycle(C1) • Summarizes reactions and Significance of citric acid cycle (C2) • Define high energy compounds (C1) • List examples of high energy compounds (C1) • Summarize components of ETC (C2), • List sites of ATP synthesis (C1) • Name the inhibitors of electron transport chain (C1) • List the types of phosphorylation • Explain substrate level phosphorylation (C2) • Explain oxidative phosphorylation(C2) • Define uncouplers (C1) • Describe gluconeogenesis (C2) • Knows site of gluconeogenesis(C1) • Explain biomedical importance of gluconeogenesis(C2)	
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	• Summarizes reactions of gluconeogenesis (Cori cycle) (C2) • Explain features and significance of HMP shunt pathway (C2) • Discuss glycogen metabolism (C2) • Explain glycogenesis(C2) • Explain glycogenolysis (C2) • Explain significance of glycogen metabolism (C2) • Explain causes, types, biochemical features, clinical features and treatment of von Gierke's disease(C2) • Knows normal and abnormal glucose levels (C1) • Explain glucose tolerance test and glycated hemoglobin test (C2) • Analyse Benedict's test, fasting blood sugar and post prandial blood sugar (C3)(P2)* • Interpret glucose tolerance test, glycated hemoglobin test, Benedict's test, fasting blood sugar and post prandial blood sugar (C2)	
Unit 4: Composition and metabolism of Lipids		
• Types, structure, composition and uses of fatty acids ❑ Nomenclature, roles and prostaglandins • <i>Functions of phospholipids</i> • <i>Digestion, absorption and malabsorption syndromes</i> • <i>Steatorrhea – clinical features and causes</i> • Metabolism of fatty acids ❑ Breakdown ❑ Synthesis ❑ <i>B oxidation – Reactions and energetics</i> ❑ <i>Ketone bodies full</i>	Composition and Metabolism of Lipids • Discuss nature of lipids (C2) • Classify lipids (C1) • Discuss the features and types of simple lipids, compound lipids and derived lipids with examples (C2) • Explain types and features of fatty acids and essential fatty acids with examples (C2) • Summarizes the functions of essential fatty acids • Describe the cause and symptoms of phrynodema (C2) • Distinguish between visible and invisible fats (C2) • Distinguish between saturated and unsaturated fats (C2) • Explain rancidity of fats (C2)	4

• <i>Lipogenesis & Lipolysis</i> <i>Definition & site</i> <i>(adipose tissue and liver)</i> Metabolism of triacylglycerols <i>Mention of glycerokinase</i> <i>Basic steps in lipolysis</i> <i>Action of hormone sensitive lipase</i> <i>Mention of activators and inhibitors</i> Metabolism of cholesterol ❑ Biosynthesis and its regulation - Bile salts and bilirubin - Vitamin D - Steroid hormones • Lipoproteins and their functions: ❑ VLDLs-IDLs, LDLs and HDLs ❑ Transport of lipids ❑ Atherosclerosis, investigations and their interpretations (lipid profile) ❑ LFT(All)	• Describe the process and importance of hydrogenation with examples (C2) • Explain the features of refined oils (C2) • Explain the biological role of fats in the body (C2) • Describe the function of cholesterol and phospholipid in body (C2) • Explain the process of emulsification in digestion of fat (C2) • Describe the digestion of triacylglycerol, cholesterol ester and phospholipids (C2) • List the enzymes responsible for digestion of fat (C1) • Explain process of absorption of lipids (C2) • Explain causes and clinical features of steatorrhea (C2) • Describe vitamin, minerals and protein deficiency associated with lipid malnutrition (C2) • Explain the features of triacylglycerol (C2) • Define β oxidation of fatty acids (C1) • Describe the stages of β oxidation of fatty acids (C2) • Knows the energetics of β oxidation (C1) • Names ketone bodies (C1) • Define ketogenesis(C1) • Knows the site of ketogenesis (C1) • Summarizes the process of utilization of ketone bodies (C2) • Discuss the manifestations associated with overproduction of ketone bodies(C2) • Define lipogenesis and lipolysis(C1) • Name the site of process of lipogenesis and lipolysis(C1) • Describe the steps involved in the synthesis of triacylglycerol (C2) • Describe features of glycerokinase	
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	• Explain the basic steps of lipogenesis and lipolysis(C2) • Explain the action of hormone sensitive lipase (C2) • List the activators and inhibitors of lipolysis (C1) • Describe the features and types of cholesterol (C1) • Describe the pathway of formation of cholesterol (C1) • Explain the biosynthesis, regulation and excretion of cholesterol (C2) • Explain synthesis of bile acids, steroid hormones and vitamin D from cholesterol (C2) • Describe types and functions of lipoproteins (VLDLs-ILDLs, LDLs and HDLs) (C1) • Describe transport of lipids(C2) • List down the lipid profile tests (C1) • Interpret the normal values of lipid profile test (C2) • Explain the causes of atherosclerosis(C2) • List the disorders that can cause atherosclerosis (C1) • LFT – Explain indications of LFT (C2) – List the tests to be performed to assess the liver function (C1) – Describe features of bilirubin (C1) – Interpret normal values of bilirubin (C2) – Explain van den Berg reaction (C2) – Describe the serum enzymes derived from liver (C2) – Interpret levels of ALT, AST, ALP,GGT(C2) – Interpret levels of serum albumin and globulin (C2)	
Unit 5: Composition and metabolism of amino acids and proteins		
• Chemistry – classification of amino acids and proteins	• Describe features of protein (C1) • Classify amino acids based on structure, charge, nutritional	6

• <i>Protein structure, denaturation sequencing, targeting, glycosylation</i> • Principles of electrophoresis & chromatography • Plasma proteins – normal value, functions • Digestion and absorption and malabsorption syndrome – food allergy • Metabolism- transamination, deamination • Metabolism of nitrogen ❑ Fixation and assimilation ❑ Urea cycle – reaction, and disorders normal value conditions ❑ Hemes and chlorophylls • <i>Special compounds formed from – Glycine, phenylalanine, tyrosine, tryptophan, methionine.</i> • <i>Biochemical defect in alkaptonuria, PKU, albinism, Hartnup's disease, glycinuria, primary Hyperoxaluria</i> • Enzymes and co-enzymes ❑ Classification ❑ Properties ❑ Kinetics and inhibition ❑ Control • Investigations and their interpretations	• requirement with examples (C1) • Classify proteins based on its conformation, biological function, chemical composition with examples (C1) • Classify proteins based on their nutritional value (C1) • Explain uses of amino acids and proteins (C2) • Recognize the 4 levels of organization of protein polymers (C1) • Explain the primary structure and secondary structure of protein (C2) • Describe the types of secondary structure of protein- α helix and β pleated sheet (C2) • Explain tertiary and quaternary structure of protein (C2) • Explain the phenomenon of denaturation (C2) • List the agents responsible for denaturation (C1) • State the meaning of sequencing, targeting, glycosylation • Explain the types and principles of electrophoresis and chromatography (C2) • Describe features and principles of separation of plasma protein (C1) • Explain the characteristics and major functions of important plasma protein (albumin, globulin, immunoglobulin) (C2) • Interpret the plasma proteins values (C2) • Explain digestion and absorption of proteins (C2) • Explain protein energy malnutrition (C2) • Describe the sources of amino acid pool (C2) • Explain the utilization of amino acid pool (C2) • Outline the overview of amino acid	
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	metabolism (C1) • Explain the features and significance of transamination (C2) • Explain the features of deamination (C2) • Describe oxidative and non-oxidative deamination (C2) • Outline the overview of ammonia metabolism (C1) • Explain urea cycle (C2) • List the metabolic disorders and enzyme involved in the metabolic disorders of urea cycle(C1) • Describe the clinical symptoms associated with metabolic disorders of urea cycle(C1) • Explain the clinical importance of blood urea (C2) • Interpret the blood urea concentration (C2) • Know the special products obtained from amino acids (C1) • List the special compounds derived from glycine, phenylalanine, tyrosine, tryptophan, methionine (C1) • Explain the enzyme deficient and features of glycosuria, primary hyperoxaluria, phenylketonuria, albinism and Hartnup's disease (C2) • <i>Fixation, assimilation, hemes and chlorophylls</i> (Plant biochemistry) • Enzymes • Classify enzymes (C2) • List co-enzymes (C1) • List co-factors (C1) • Describe kinetics and control (C1) • Recognize competitive & noncompetitive inhibitors (C1) Explain diagnostic and therapeutic enzymes (C2)	
Unit 6: Composition of vitamins and minerals		

Vitamins and minerals: (Vitamin A,D,E,K,C, B complex Minerals: Calcium, magnesium, phosphorous, sodium, potassium, chloride, Sulphur, Iron, Copper, Manganese, Zinc, Iodine, Selenium, Cobalt, Fluoride) ☐ Structure ☐ Classification ☐ Properties ☐ Absorption ☐ Storage & transportation ☐ Normal concentration • Investigations and their interpretations	• Identify structure of vitamins and minerals (C1) • Describe classification and properties of vitamins and minerals (C1) • Explain absorption storage & transportation of vitamins and minerals (C2) • Interpret the investigations (C2)	2
Unit 7: Immunochemistry		
• Immune response • Structure and classification of Immunoglobins • Mechanism of antibody production • Antigens: HLA typing • Free radical and antioxidants • Location and function of the specialized proteins ○ Collagen ○ Elastin ○ Keratin ○ Myosin & lens proteins • Electrophoretic and quantitative determination of immunoglobins – ELISA etc. • Diagnostic tests and interpretation	• Describe immune response (C1) • Explain structure and classification of immunoglobins (C2) • Summarize mechanism of antibody production (C2) • Explain antigens: HLA typing (C2) • Explain free radical and antioxidants (C2) • Distinguish location and function of specialized proteins (collagen, elastin, keratin, myosin and lens protein) (C2) • Explain electrophoretic and quantitative determination of immunoglobins – ELISA (C2) • Interpret the investigations (C2)	3
Nucleic acids <i>Chemistry – base, nucleosides, nucleotides, functions of nucleotides, uric acid formation and gout</i> <i>Formation of uric acid</i> <i>Gout – causes, clinical features, diagnosis & management</i>	• Describe nucleic acid (C1) • List types of nucleic acids (C1) • Differentiate nucleotides and nucleosides (C1) • Describe base (C1) • Explain functions of nucleotides (C1) • Explain the process of formation	

<i>DNA & RNA structure, Difference between DNA and RNA</i> <i>Definitions of Replication, Transcription, Translation and protein targeting</i>	of uric acid (C2) • Interpret serum uric acid levels (C2) • Explain causes, clinical features, diagnosis & management of gout (C2) • Describe features of DNA structure (C2) • Explain features and types of RNA (C2) • Distinguish between DNA & RNA structure (C2) • Define replication, transcription, translation & protein targeting (C1)	
Note: P2* domain in biochemistry laboratory posting <i>Font italics</i> – Integration of topics from PBBS Sc Curriculum		

Learning strategies, contact hours and student learning time		
<i>Learning strategy</i>	<i>Contact hours</i>	<i>Student learning time (Hrs)</i>
Lecture	20	40
Seminar	-	
Small Group Discussion (SGD)	01	02
Self-directed learning (SDL)	01	02
Problem Based Learning (PBL)	-	
Case Based Learning (CBL)	01	02
Clinic	-	
Practical	04	-
Revision	01	10
Assessment	02	04
TOTAL	30	60

Assessment Methods:				
Formative:		Summative:		
Class tests		University examination		
Assignments(Practical)				
Self-directed learning (SDL)				
Sessional Examinations				
Mapping of assessment with Cos				
Nature of assessment	CO 1	CO 2	CO 3	CO 4
Sessional Examination 1	x	x		x
Sessional Examination 2		x	x	x
Quiz				
Assignment/Presentation				

University Examination	x	x	x	x
Laboratory examination				x
Feedback Process	Course Feedback			
Reference Material	1. Manjekar, P. R. (2014). <i>Textbook of Nutrition and Biochemistry</i> (Fifth ed.). Mangalore: R M Publications. 2. Sreemathy Venkatraman, S. D. (2011). <i>Nutrition and Biochemistry for nurses</i> . New Delhi: Elsevier India private limited. 3. Sathyanarayana, U. (2011). <i>Essentials of biochemistry</i>. New Delhi: Books and Allied Private limited.			

Assessment Mapping

Topics/Unit	Competency level	Impact	Frequency	I X F	Weightage	Marks	Set 1			Set 2			Set 3			Set 4			Set 5		
							SN	SA	MCQ	SN	SA	MCQ	SN	SA	MCQ	SN	SA	MCQ	SN	SA	MCQ
Introduction	C1,C2	1	1	1	0.026	1			1			1			1			1			1
Structure and functions of cell membrane	C1,C2	3	2	6	0.15	4	3		1		2	2	3		1		4				4
Explain the metabolism of carbohydrates	C1,C2, C3	3	3	9	0.231	7	3	2	2	6		1	3	4		3		4	6		1
Composition and metabolism of lipids	C1, C2	3	2	6	0.15	4	3		1		4			2	2	3		1		2	2
Composition and metabolism of amino acids and proteins	C1, C2	3	3	9	0.231	7	3	4		3	2	2	3		4	6		1	6		1
Composition of Vitamins and minerals	C1, C2	1	2	2	0.0512	2			2			2			2		2			2	
Immunochemistry	C1, C2	2	2	4	0.102	3		2	1	3			3				2	1		2	1
Nucleic acids	C1, C2	1	2	2	0.0513	2.00			2			2		2				2		2	
Total						30	12	8	10	12	8	10	12	8	10	12	8	10	12	8	10

Summary	Impact	Frequency
Short note 4x3= 12 marks	1=Nice to know	1=Rarely
Short answer 4x2=08 marks	2=Need to know	2=Relatively common
MCQ 10x1=10 marks	3=Must know	3=very common
Total: 30 marks		

Name of the Institution / Department:

Manipal College of Nursing Manipal, Fundamentals of Nursing

Name of the Program:	B.Sc. Nursing
Course Title:	Nursing Foundation
Course Code: BSN103	Course Instructor:
Academic Year: 2020-2021	Semester/ Year: First Year
No of Hours: 265	Prerequisites: NIL
Synopsis:	This course is designed to help the students to develop an understanding of the philosophy, objectives, theories and process of nursing and also to provide fundamental knowledge and skill in various nursing technique and practice in supervised clinical setting.

Course Outcomes (COs):	On successful completion of this course, students will be able to:
CO 1:	Describe the concept of health, illness and health agencies
CO 2:	Describe the values, code of ethics and professional conduct for nurses
CO 3:	Explain admission and discharge procedure of patient in clinical area
CO 4:	Discuss effective communication with patient, families and team members
CO 5:	Explain head to toe health assessment
CO 6:	Explain nursing process in patient care
CO7	Explain nursing care procedures for meeting basic, physiological and psychological needs of the patient
CO8	Describe recording and reporting
CO9	Explain infection control practices in patient care
CO10	Describe the perioperative care of patient
CO11	Explain safe medication administration
CO12	Describe the care of terminally ill patient

Mapping of COs to POs

COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
CO 1	x						
CO 2	x	x	x			x	
CO 3	x	x	x			x	
CO 4	x	x	x			x	
CO 5	x	x	x			x	
CO 6	x	x	x			x	
CO 7	x	x	x			x	
CO 8	x	x	x			x	
CO 9	x	x				x	
CO10	x	x	x			x	
CO11	x	x	x			x	
CO12	x		x			x	

Course content and outcomes:		
<i>Content</i>	<i>Competencies</i>	<i>No of Hours</i>
Unit 1: Introduction		
• Concept of health, illness and health care agencies	• Describe the concepts of health and health Illness continuum (C1) • Explain the factors influencing health (C1) • List the causes and risk factors for developing illness (C1) • Explain illness and illness behaviour(C2) • Describe the impact of illness on patient and Family (C2) • Explain the various health care services (C2) • Explain the health care teams (C1) • List the types of health care agencies (C1) • Describe the types, organisation and functions of hospitals(C2) • Explain in brief health promotion and levels of disease prevention(C2) • Describe primary health care and its delivery: Role of nurse (C2)	10
Unit 2: Nursing as a Profession		
• Concept and scope of nursing • Values, code of ethics and professional conduct for nurses in India	• Define profession (C1) • Explain the characteristics of a profession (C1) • Explain the history of Nursing in India (C1) • Define nursing (C1) • List the concepts, philosophy and objectives of nursing(C1) • Describe the characteristics, nature and scope of nursing practice (C2) • Discuss the functions and qualities of Nurse (C2) • Name the categories of nursing Personnel (C1) • Discuss nursing as a profession (C1) • Define the term values (C1) • Explain the types, values, clarification and values in professional nursing (C2) • Define the term ethics (C1) • Explain ethical principles (C2)	16

	Describe code of ethics and professional conduct for nurses (C2)	
Unit 3: Hospital Admission and Discharge		
- Admission to the hospital - Discharge from the hospital	- Describes preparation of patient unit and the admission procedure (C1) - Discuss the special considerations, medico-legal issues during admission (C2) - Explain the roles and responsibilities of the nurse in admission and discharge (C2) - Describe the types of hospital discharge (C2) - Describe the hospital discharge planning, procedure (C2) - Discuss the special considerations, medico-legal issues during discharge from hospital (C1) - Explain the care of the unit after discharge (C1)	4
Unit 4: Communication and Nurse patient relationship		
- Communication: Levels, Elements, Types, Modes, Process, Factors influencing Communication. - Methods of effective communication. - Barriers to effective communication - Helping Relationships (NPR) - Patient teaching	- Explain the levels, elements, types, modes, process and factors affecting communication (C2) - Describe the methods of effective communication in terms of attending, rapport building and empathy skills (C1) - Mention the barriers to effective communication (C1) - Describe the dimensions and phases of nurse patient relationship (C2) - Describe communication with patient, families, team members and vulnerable groups (children, women, physically and mentally challenged and elderly) (C1) - Describe the importance, purposes of patient teaching (C1) - Illustrate the process and role of nurse in patient teaching (C1) - Describe patient teaching in clinical practice(C1)	10

Unit 5: Nursing Process		
• Concept, uses, format and steps of nursing process • Documenting nursing process as per the format	• Discuss the concepts of critical thinking and nursing judgement(C2) • Explain the competencies, attitudes for critical thinking and levels of critical thinking in Nursing (C2) • Explain the types, sources and methods of data collection (C2) • Formulate the nursing judgement and interpreting the data(C2) • Identify client's problem and formulate nursing diagnostic statement (C3) • Differentiate medical and nursing diagnosis(C2) • Explain the planning and implementation step of nursing process (C2) • Evaluate the care provided to the patient (C2) • Write the nursing care plan(C3) • Explain documentation and reporting (C1)	15
Unit 6: Documentation and Reporting		
• Purposes, types and techniques of recording and reporting	• List the purposes of recording and reporting (C1) • Describe types of records; ward records, medical/nursing records, common record-keeping forms, computerized documentation (C1) • Describe the types and techniques of recording and reporting (C1) • Describe the guidelines for reporting: Factual basis, accuracy, completeness, correctness, organization, confidentiality(C2) • Explain the methods of recording(C2) • Describe the types of reporting - change-of shift reports, transfer reports, incident reports(C2) • Discuss on minimizing legal liability through effective record keeping(C2)	5
Unit 7 Vital Signs		
• Principles and techniques of monitoring and maintaining vital	• Describe the guidelines for taking vital signs (C1)	16

signs • Alterations in vital signs • Recording of vital signs	• Explain the physiology, regulation and factors affecting body temperature, pulse, respiration and blood pressure (C2) • Describe the characteristics of pulse, respiration and blood pressure (C2) • Explain the special considerations in taking temperature, pulse, respiration and blood pressure (C2) • Identify the sites of assessing temperature and pulse (C1) • Describe the technique of monitoring and documenting body temperature, pulse, respiration and blood pressure (C2) • Explain the temperature alterations • Describe the management of hyperthermia, heatstroke, hypothermia (C2) • Identify the alterations in pulse, respiration and blood pressure (C2)	
Unit 8 Health Assessment		
• Purpose and process of health assessment • Health assessment of each body system	• List the purposes of health assessment (C1) • Explain the process of collection of health history (C2) • Describe the preparation of patient and unit for examination (C2) • Describe the general and each body system assessment with documentation (C3)	30
Unit 9 Machinery, Equipment and Linen		
• Care of various machinery, equipment and linen • Process of indent, maintenance, inventory	• Describe the disposables and reusable items- Linen, rubber goods, glass ware, metal, plastics, furniture, machinery (C1) • Discuss the process of indent, maintenance, inventory (C2)	5

Unit 10 Meeting Basic needs of patient		
• Basic, physiological and psychosocial needs of patient. • Principles and techniques for meeting basic, Physiological and psychosocial needs of patient. • Nursing assessment, plan, implement and evaluate the care for meeting basic, physiological and psychosocial needs of patient.	Safe and clean environment, comfort, sleep and rest • Describe the ways to provide safe and clean environment in terms of physical environment: temperature, humidity, noise, ventilation, light, odor, pest control (C1) • Identify the measures for reduction of physical hazards: fire, accidents (C1) • Describe the role of nurse in providing safe and clean environment (C1) • Describe the patient environment: room equipment and linen, making patient beds (C2) • List the types of beds (C1) • Describe the principles and bed making procedure(C1) • List the factors influencing comfort (C1) • Indicate appropriate comfort devices based on patient condition (C2) • Describe the physiology and factors affecting sleep (C2) • Discuss the measures to promote rest and sleep (C2) • Describe sleep disorders (C2)	8
	Hygiene: • State the meaning of hygiene (C1) • Discuss the factors influencing hygienic practice (C2) • Explain the principles and types of bath (C2) • Explain the procedure of bed bath, care of back, feet and nail, hair, oral cavity, eye, ear and nose. (C2)	7
	Nutrition: • State the importance of nutrition (C1) • Explain the factors affecting nutritional needs (C2) • Describe the nutritional needs and its variables (C2) • Describe nasogastric tube insertion. • Explain oral, enteral and parenteral administration of nutrition (C2)	5

	• Explain nasogastric suction, gastric irrigation, gastric analysis (C2) Urinary elimination • Review physiology of urine elimination (C2) • Mention the composition and characteristics of urine. (C1) • Explain the alteration in urinary elimination and its management (C2) • Explain different types of urine specimen collection and tests (C2) • Explain providing urinal, condom drainage application, perineal care, catheterization, bladder irrigation (C2) • Discuss the care of urinary drainage, diversions (C2) Bowel elimination • Review physiology of bowel elimination (C2) • Mention the composition and characteristics faeces (C1) • Explain the alteration in bowel elimination and its management (C2) • Explain specimen collection for faeces (C1) • Explain providing bedpan, flatus tube insertion, enema, suppository, bowel wash and sitz bath. (C2) • Describe the care of ostomies. (C2) Mobility and immobility • State the principles of body mechanics (C1) • Explain factors affecting body alignment and mobility (C2) • Describe the hazards associated with immobility (C2) • Explain the alteration in body alignment and mobility (C2) • Explain the importance of safety devices: restraints, side rails, trapez and care of patient with restrains(C1)	10 7 6
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	• Describe the range of motion exercises and special considerations (C2) • Explain the different positions to maintain body alignment and devices used (C2) • Explain moving, lifting, transferring and walking techniques (C2) • Explain the care of patient with restraints (C2) • Describe care of patient with traction and plaster cast (C2) Oxygenation • Review cardiovascular and respiratory physiology • Explain the factors affecting oxygenation (C2) • Identify alterations in oxygenation (C2) • Explain the technique of maintaining patent airway (C2) • Describe oxygen administration using appropriate equipment and techniques (C2) • Explain the techniques of suctioning, nebulization, steam inhalation, Incentive spirometry, chest physiotherapy and postural drainage (C2) • Describe the care of patient with chest drainage (C2) • Describe monitoring oxygen saturation using pulse oximeter (C2) • Explain basic life support skill- the CPR (C2) • Discuss types, assessment, management of respiratory distress (C2)	12
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	Fluid and electrolyte • Review physiological regulation of fluid, electrolyte, and acid base balances (C2) • Explain the factors affecting fluid, electrolyte, and acid -base balances (C2) • Identify alterations in fluid, electrolyte, and acid – base balances (C3) • Explain appropriate technique in maintaining fluid, electrolytes and acid base balances- oral and parenteral (C2) • Explain the acid-base imbalance (C2) • Illustrate method of maintaining fluid intake and output. (C3) • Describe venepuncture (C2) • Explain starting, regulating, monitoring intravenous fluid and changing IV dressing (C2) • Describe blood transfusion (C2) • Discuss fluid restrictions (C2) Psychosocial needs: • Describe the concepts of cultural diversity, stress and adaptation, self-concept, sexuality, spiritual health, coping with loss, death and grieving(C2) • Discuss assessment of psychosocial needs (C2) • Explains nursing intervention for psychosocial needs(C2)	7 5
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Unit 11 Infection control in clinical settings		
- Principles and techniques for infection control - Biomedical waste management in Supervised clinical settings	- Describe the nature of infection and chain of infection transmission(C1) - Describe defenses against infection: natural and acquired (C1) - Discuss hospital acquired infection/nosocomial infection (C2) - Define the concept of asepsis: medical asepsis, and surgical asepsis (C1) - Describe isolation precautions (Barrier nursing): Hand hygiene, personal protecting equipment, preparation of isolation unit (C2) - Describe standard safety precautions/ (Universal precautions) transmission-based precautions (C2). - Explain safe handling and disposal of sharps (C2) - Explain decontamination of equipment and physical environment (C2) - Explain reprocessing of medical devices(C2) - Describe surgical asepsis(C2) - Discuss importance of biomedical waste management, hazards associated with hospital waste, decontamination of hospital waste (C2) - Describe methods of segregation, transport and disposal of biomedical waste (C2)	20
Unit 12 Administration of medications		
- Principles, routes, effects of administration of medications. - Conversions of drugs and dosages within and between systems of measurements. - Administering drugs by oral, Intradermal, Subcutaneous	- List the purposes of medication (C1) - Explain 10 rights, special considerations, prescriptions, safety in administering medications and medication errors(C2) - Name the drug forms (C1) - Explain the routes of drug administration (C2)	40

Intramuscular, Intra venous, topical and inhalation routes.	• Explain storage and maintenance of drugs and Nurses responsibility (C1) • Name the broad classification of drugs(C1) • Describe therapeutic effect, side effects, toxic effects, idiosyncratic reactions, allergic reactions, drug tolerance, drug interactions(C1) • Identify the factors influencing drug actions(C1) • Describe the systems of drug measurement: metric system, apothecary system, household measurements, and solutions(C1) • Describe converting measurements units: conversion within one system, conversion between systems, dosage calculation (C3) • Define the terminologies and abbreviations used in prescriptions of medications (C1) • Explain oral, sublingual and buccal route of medication administration procedure (C2) • Explain types of parenteral therapies(C2) • Identify the types of syringes, needles, cannula, and infusion sets (C2) • Discuss the measures to prevent needle stick injuries(C2) • Explain intradermal, subcutaneous, intramuscular, intra venous routes of drug administration (C3) • Describe the role of nurse in advanced techniques of drug administration- epidural, intrathecal, intraosseous, intraperitoneal, Intraplu ral, intra-arterial (C2) • Describe topical drug administration to skin, mucous membrane, direct application of liquids-gargle and swabbing the throat (C2)	
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	• Explain insertion of drug into body cavity- suppository/medicated packing in rectum vagina (C2) • Describe ear, eye, nasal instillations (C2) • Describe eye, ear and vaginal irrigations (C2) • Describe spraying medication to nose and throat. (C2) • Discuss meter dose inhalation and dry powder inhalation (C2) • Explain recording and reporting of medications administered. (C2)	
Unit 13 Meeting needs of perioperative patients		
• Perioperative care of patients • Process of wound healing • Principles and techniques of wound care	• Define perioperative nursing (C1) • Explain the concepts of perioperative nursing (C2) • Describe preparation of patient for surgery(C2) • Discuss operation theatre set up, environment and role of nurse (C2) • Describe postoperative care (C2) • Explain wound types, classifications, wound healing process, factors affecting wound healing, complications of wound healing(C2) • Demonstrate wound dressing (C2) • Explain care of drainage (C2) • Describe first aid (C2) • Explain application of bandages, binders, splints and slings (C2) • Describe heat and cold therapy (C2)	10
Unit 14 Meeting special need of patient		
• Care of patients having alterations in body functioning	• Discuss assessment and management altered sensorium (Unconsciousness) (C2) • Discuss functioning of sensory organs: (Visual & hearing impairment) (C2) • Describe nature of pain, types, factors influencing pain, coping, assessment and management of pain (C2)	5

Unit 15 Care of terminally ill patient		
• Concepts of Loss, Grief, grieving Process • Signs of Clinical Death • Care of dying Patient • Care of Dead Body • Autopsy, Embalming	• Describe the concepts of loss, grief, grieving process (C1) • List the signs of clinical death (C1) • Explain the care of dying patient with special considerations (C1) • Explain advance directives such as euthanasia, living will, dying declaration, organ donation(C1) • Describe the medico-legal issues (C1) • Explain the care of dead body: equipment, procedure and care of unit (C2) • Explain autopsy and embalming (C1)	5
Unit 16 Professional Nursing Concepts		
• Basic concepts of conceptual and theoretical models of nursing	• Describe conceptual and theoretical models of nursing practice: holistic model, health belief model, health promotion model (C2) • Discuss theories in nursing; Peplau's, Henderson's, Orem's, Neuman's, Roger's and Roy's (C2) • Linking theories with nursing process (C2)	6
• Learning strategies, contact hours and student learning time		
<i>Learning strategy</i>	<i>Contact hours</i>	<i>Student learning time (Hrs)</i>
Lecture	235	470
Seminar	-	
Small Group Discussion (SGD)	05	
Self-directed learning (SDL)	12	
Problem Based Learning (PBL)	-	
Case Based Learning (CBL)	-	
Panel Discussion	02	
Clinic	-	
Practical	-	
Revision	05	10
Assessment	06	
TOTAL	265	480
Assessment Methods:		
Formative:	Summative:	
Unit test	University examination	

Assignments													
Sessional examination													
Mapping of assessment with Cos													
Nature of assessment	CO1	CO2	CO3	CO4	CO5	CO6	CO7	CO8	CO9	CO10	CO11	CO12	
Sessional Examination 1	x	x	x	x	x		x						
Sessional Examination 2						x	x	x	x	x	x	x	
Quiz													
Assignment	x	x					x						
University Examination	x	x	x	x	x	x	x	x	x	x	x	x	
Feedback Process	● Course feedback												
Reference Material	1. Berman A, Snyder SJ, Frandsen G. <i>Kozier and Erb’s Fundamentals of Nursing Concepts, Process, and Practice Tenth Edition.</i> ; 2016. 2. Potter PA, Perry AG, Stockert PA, Hall AM. Fundamentals of Nursing, 9th Edition. In: <i>Salemba Medika.</i> ; 2013. 3. Taylor C. et al., “Fundamentals of Nursing”, 6th edition, Lippincott-Williams & Wilkins publications. 4. Gulanick M, Myers J L. Nursing care plans: diagnosis intervention and outcomes, 8 th edition, Elsevier publications. 5. Nissanka R, Comprehensive Textbook of Foundation of Nursing,1 st edition, Jaypee Publications.												

Name of the Institution / Department:

Manipal College of Nursing Manipal, Fundamentals of Nursing

Name of the Program:		BSc Nursing					
Course Title:		Nursing Foundation (Practical)					
Course Code: BSN104		Course Instructor:					
Academic Year: 2020-2021		Semester: First Year					
No of Hours: 450		Prerequisites: Nil					
Synopsis:	This course is designed to help the students to develop an understanding of the philosophy, objectives, theories and process of nursing and to provide fundamental knowledge and skill in various nursing technique and practice in supervised clinical setting.						
Course Outcomes (COs):		On successful completion of this course, students will be able to:					
CO 1:		Demonstrate the values, code of ethics and professional conduct for nurses.					
CO 2:		Demonstrate admission and discharge procedure of patient in clinical area.					
CO 3:		Demonstrate effective communication with patient, families and team members.					
CO 4:		Perform head to toe health assessment					
CO 5:		Apply nursing process in patient care					
CO 6:		Demonstrate nursing care procedures for meeting basic, physiological and psychological needs of the patient					
CO7		Demonstrate recording and reporting					
CO8		Perform infection control practices in patient care					
CO9		Demonstrate the perioperative care of patient					
CO10		Demonstrate safe medication administration practices					
CO11		Demonstrate the care of terminally ill patient					
Mapping of COs to POs							
<i>COs</i>	<i>PO 1</i>	<i>PO 2</i>	<i>PO 3</i>	<i>PO 4</i>	<i>PO 5</i>	<i>PO 6</i>	<i>PO 7</i>
CO 1		x				x	
CO 2		x	x				
CO 3			x				
CO 4	x	x	x				
CO 5	x	x	x				
CO 6	x	x	x				
CO 7		x	x				
CO 8		x				x	
CO 9	x	x				x	
CO10	x	x					
CO11	x	x					

Course content and outcomes:		
<i>Content</i>	<i>Competencies</i>	<i>No of Hours</i>
Communication and Nurse patient relationship		
• Communication with patient, families and team members. • Patient teaching	• Demonstrate the effective communication with patient, families, team members and vulnerable groups (children, women, physically and mentally challenged and elderly) (C3, P3 & A3) • Perform patient teaching in clinical practice (C3, P2, A2) • Apply values, ethical principles, code of ethics and professional conduct in clinical practice. (C2, A2)	2
Vital Signs		
• Monitoring, recording and interpreting alterations in body temperature, pulse, respiration and blood pressure.	• Assess the characteristics of pulse, respiration and blood pressure (C3, P5, A2) • Demonstrate the technique of monitoring and documenting body temperature, pulse, respiration and blood pressure (C3, P5, A2) • Identify the temperature alterations in patients and demonstrate its management: hyperthermia, heatstroke, hypothermia (C2, P4) • Identify the alterations in pulse, respiration and blood pressure in patients (C4, P5)	13
Hospital Admission and Discharge		
• Admission, transfer and discharge procedure	• Performs admission procedure (C3, P4, A2) • Performs discharge procedure – planned discharge, LAMA, referral, abscond, transfers (C3, P4, A2) • Perform hospital admission and discharge of medico legal cases. (C3, P4, A2) • Perform the care of the unit after discharge (C3, A2)	1

Nursing Process		
Nursing Care Plan	Write nursing care plan as per the nursing process (C3, P3, A2)	9
Health Assessment		
- History taking, - Health assessment of each body system	- Collect and write health history (C1, P3, A2) - Perform health assessment (C3, P3, A2) - Demonstrate preparation of patient and unit for examination (C3, P4, A2) - Interpret and record the findings of health assessment. (C3, P4) - Demonstrate pain assessment and management (C3, P2)	24
Documentation and Reporting		
Writing patient report	Demonstrate recording and reporting (C2, P3)	1
Meeting basic needs		
Basic nursing care including; - Comfort - Bed making - Hygiene: - Mobility and immobility	Demonstrates use of comfort devices (C3, P4)	20
	- Demonstrate open, closed and special bed making. (P4) - Demonstrate the procedure of bed bath, care of back, feet and nail, hair, oral cavity, eye, ear and nose. (C3, P3 & A2)	25
	- Identifies the alteration in body alignment and mobility (C2, P1) - Demonstrate the range of motion exercises (C3, P3) - Demonstrates the different positions using comfort devices to maintain body alignment and devices used (C2) - Demonstrates the moving, lifting, transferring and walking techniques (C3, P3)	10

• Nutrition	• Demonstrate nasogastric tube insertion (C3, P3). • Demonstrate oral, enteral and parenteral administration of nutrition (C3, P3) • Demonstrate naso-gastric suction and gastric irrigation (C2)	8
• Urinary elimination	• Demonstrate the collection of urine specimen (P3) • Demonstrate condom drainage application, perineal care and catheterization, bladder irrigation and providing urinals. (C3, P3)	9
• Bowel elimination	• Demonstrate the collection of faeces specimen (P3) • Demonstrate flatus tube insertion, enema, suppository, bowel wash and sitz bath. (C3, P3)	12
• Oxygenation	• Identify the alteration in oxygenation (C3, P3) • Demonstrate oxygen administration using appropriate equipment and techniques (C3, P3) • Demonstrate the techniques of suctioning, incentive spirometry, chest physiotherapy and postural drainage (C3 & P2) • Demonstrate nebulization, steam inhalation (C3 & P3) • Demonstrate monitoring oxygen saturation using pulse oximeter (C3, P4) • Demonstrate basic life support skill- the CPR (C2, P2)	15
• Fluid and electrolyte	• Identify alterations in fluid, electrolyte, and acid – base balances (C3) • Use appropriate technique in maintaining fluid, electrolytes and acid base balances (C3& P3) • Calculates the fluid intake and output (C3)	10

	• Demonstrate venepuncture (C3, P3) • Demonstrate the regulation of IV flow rates, changing IV solutions and tubing and changing IV dressing. (C3, P3) • Demonstrate blood transfusion (C2) • Demonstrate the technique of maintaining patent airway (C3, P3)	
Infection control in clinical setting		
• Infection control procedures	• Perform Hand washing techniques (C3, P4). • Demonstrate use of personal protective equipment (C3, P4). • Practice standard safety precautions/ (Universal precautions) transmission-based precautions (C3, P4). • Prepare isolation units. (C2, P4) • Demonstrates safe handling of sharps (C3, P3) • Demonstrates segregation of biomedical waste (C3, P3)	5
Administration of Medication		
• Drug calculation • Drug administration in various routes	• Demonstrate dosage calculation (C3) • Demonstrate oral, sublingual and buccal route of medication administration procedure (C3, P4, A2) • Identify the types of syringes, needles, cannula, and infusion sets (C2) • Demonstrate parenteral routes of drug administration (C3, P3, A2) • Demonstrate the topical drug administration (C3, P4) • Demonstrate insertion of rectal suppository (C3, P3) • Demonstrate ear, eye, nasal instillations. (C3, P3) • Demonstrate eye and ear irrigations (C3, P3) • Demonstrate spraying medication to nose and throat. (C3, P3) • Demonstrate recording and reporting of medications administered. (C3, P3)	20

Care of terminally ill patient											
- Care to dying and dead - Counsel and support relatives			- Demonstrate the care of dead body (C3, P3) - Perform Counselling and support to grieving relatives (C3, P3) - Perform terminal care of the unit (C3, P3)						6		
Meeting needs of perioperative patients											
- Perioperative care - Procedures for care of wounds			- Demonstrate wound dressing (C2, P2, A2) - Demonstrate application of bandages, binders, splints and slings (C3, P4) - Demonstrate heat and cold therapy (C3, P4)						10		
									Lab 200 Clinical 450 (not specified above)		
Learning strategies, contact hours and student learning time											
<i>Learning strategy</i>			<i>Contact hours</i>					<i>Student learning time (Hrs)</i>			
Demonstration (lab)			200					400			
Direct patient care			193								
Clinical teaching			80					40			
Self-directed learning (SDL)			60					30			
Nursing rounds			30								
Case presentation			09					20			
Ongoing evaluation			10								
Procedure return demonstration			60					30			
Assessment – OSCE			03					20			
Model exam			05					20			
TOTAL			650					560			
Assessment Methods:											
Formative:							Summative:				
Ongoing evaluation							University examination				
Assignment- Care plan											
OSCE											
Model practical examination											
Mapping of assessment with Cos											
Nature of assessment	CO1	CO2	CO3	CO4	CO5	CO6	CO7	CO8	CO9	CO10	CO11
OSCE			x	x	x	x	x	x		x	
Assignment				x	x						
Model practical	x	x	x	x	x	x	x	x	x	x	x
University Examination	x	x	x	x	x	x	x	x	x	x	x

Feedback Process	• Course feedback
Reference Material	1. Berman A, Snyder SJ, Frandsen G. Kozier and Erb's Fundamentals of Nursing Concepts, Process, and Practice Tenth Edition.; 2016. 2. Potter PA, Perry AG, Stockert PA, Hall AM. Fundamentals of Nursing, 9th Edition. In: Salemba Medika. ; 2013. 3. Taylor C. et al., "Fundamentals of Nursing", 6th edition, Lippincott-Williams & Wilkins publications. 4. Gulanick M, Myers J L. Nursing care plans: diagnosis intervention and outcomes, 8th edition, Elsevier publications. 5. Nissanka R, Comprehensive Textbook of Foundation of Nursing, 1st edition, Jaypee Publications.

Assessment Mapping

Topics/Unit	Competency level	Impact	Frequency	I X F	Weightage	Marks	Set 1			Set 2			Set 3			Set 4			Set 5		
							Essay	SN	MCQ	Essay	SN	MCQ	Essay	SN	MCQ	Essay	SN	MCQ	Essay	SN	MCQ
Introduction, Nursing as a profession, Professional nursing concepts and practice	C1 , C2	2	1	2	0.03571429	3			3			3			3			3			3
Communication and nurse patient relationship, hospital admission and discharge	C1 , C2	3	2	6	0.10714286	8		5	3		5	3		5	3		5	3		5	3
Nursing process , Documentation and Reporting	C1 , C2	3	3	9	0.16071429	12	13			10	2	12				10	2	13			
Health Assessment, Vital Signs	C1, C2, C3	3	3	9	0.16071429	12		10	2	13			10	2	12					10	2
Meeting basic and special needs of patient	C1, C2, C3	3	3	9	0.16071429	12	12			10	2	13			13					10	2
Infection control in clinical settings	C1, C2	3	3	9	0.16071429	12		10	2		10	2		10	2		10	2		10	2
Administration of medication	C1, C2, C3	3	3	9	0.16071429	12		10	2	12				10	2		10	2	12		
Meeting needs of perioperative patients	C1 , C2	2	1	2	0.03571429	3			2			2			2			2			2
Care of terminally ill patient , Machinery, equipment and linen	C1 , C2	1	1	1	0.01785714	1			1			1			1			1			1
Total				56		75	25	35	15	25	35	15	25	35	15	25	35	15	25	35	15

Summary	Impact	Frequency
Essay (2): 1x12= 12 marks, 1x13=13 marks Total: 25 marks	1=Nice to know	1=Rarely
Short note 7x5= 35 marks	2=Need to know	2=Relatively common
MCQ 15x1=15 marks	3=Must know	3=very common
Total=75 marks		

Name of the Institution / Department:

Manipal College of Nursing Manipal, Psychiatric (Mental Health) Nursing

Name of the Program:		BSc Nursing					
Course Title:		Psychology					
Course Code: BSN105		Course Instructor:					
Academic Year: 2020-2021		Semester/ Year: First Year					
No of Hours: 60		Prerequisites: Nil					
Synopsis:	This Course is designed to assist the students to acquire knowledge of fundamentals of psychology and develop an insight into behaviour of self and others. It is aimed at helping the students to practice the principles of mental hygiene for promoting mental health in nursing practice.						
Course Outcomes (COs):		On successful completion of this course, students will be able to:					
CO 1:		Describe the history, scope and methods of psychology					
CO 2:		Analyse the biology of human behaviour					
CO 3:		Describe the various cognitive processes and their applications					
CO 4:		Compare motivation, emotions, stress, attitude and their influence on human behaviour					
CO 5:		Explain the concepts of personality and its influence on human behaviour					
CO 6:		Distinguish psychology of people during their life cycle					
CO 7:		Describe the characteristics of mentally healthy person					
CO 8:		Explain the aspects of psychological assessments and role of a nurse					
Mapping of COs to POs							
<i>Cos</i>	<i>PO 1</i>	<i>PO 2</i>	<i>PO 3</i>	<i>PO 4</i>	<i>PO 5</i>	<i>PO 6</i>	<i>PO 7</i>
CO 1	x						
CO 2	x						
CO 3	x						
CO 4	x						
CO 5	x						
CO 6	x						
CO 7	x						
CO 8	x	x					
Course content and outcomes:							
<i>Content</i>			<i>Competencies</i>				<i>No of Hours</i>
Unit 1: Introduction							
History, scope and methods of psychology			• Discuss the history and origin of science of psychology(C2) • Define the terms in psychology(C1) • Describe the scope of psychology(C2) • Identify the relevance of psychology to nursing (C2, P1) • Describe the methods of Psychology (C2,P1)				2

Unit 2: Biology of Behaviour		
Body mind relationship modulation process in health and illness - Genetics and behaviour: Heredity and environment - Brain and behaviour: Nervous System, Neurons and synapse - Association Cortex, Rt and Lt Hemispheres - Psychology of Sensations - Muscular and glandular controls of behaviour - Nature of behaviour of an organism/Integrated responses	- Describe the body mind relationship (C2, P1) - Explain the modulation process in health and illness (C2, P2) - Describe genetics and behaviour (C2, P1) - Describe heredity and environment (C2, P1) - Discuss regarding brain and behaviour (C2) - Describe the nervous system, Neurons and synapse (C2, P1) - Explain regarding the association cortex, Rt and Lt Hemispheres (C2, P2) - Describe the psychology of sensations (C2, P2) - Identify the muscular and glandular controls of behaviour (C2, P1) - Describe the nature of behaviour of an organism (C2,P1)	4
Unit 3: Cognitive Processes		
- Attention: Types, determinants, Duration & degree, alterations - Perception: Meaning, Principles, factors affecting, Errors - Learning: Nature, Types, learner and learning, Factors influencing, laws and theories, process, transfer, study habits	- Define attention (C1) - Explain the types of attention (C2, P2) - List the determinants of attention (C1) - Describe the duration and degree of attention (C2, P1) - Explain the alterations in attention (C2, P2) - Define perception (C1) - State the principles (C1, P2) - Explain the factors affecting perception (C2, P2) - Explain the Errors in perception (C2, P2) - Define learning (C1) - Describe the Nature of learning (C1, P1) - Explain the types of learning (C2, P2) - Explain the factors affecting learner and learning (C2, P2) - State the laws and theories of learning (C1, P2) - Describe the process of learning (C2, P1)	20

• Memory: Meaning, Types, Nature Factors influencing, Development Theories and methods of memorizing and Forgetting • Thinking: Types and levels, stages of development, Relationship with language and communication • Intelligence: Meaning, classification, uses, theories • Aptitude: Concept, types, Individual differences and variability • Psychometric assessments of cognitive processes • Alterations in cognitive processes • Applications	• Define transfer of learning (C1) • List the study habits (C1) • Define memory (C1) • Explain the types of memory (C2, P2) • Describe the nature of memory (C1, P1) • Explain the factors influencing memory (C2, P2) • Describe the development of theories (C2, P1) • Distinguish the methods of memorizing and forgetting (C2, P1) • Define thinking (C1) • List the types and levels of thinking (C1) • Describe the stages of development of thinking (C1, P1) • Appraise the relationship of thinking with language and communication (C4) • Define Intelligence (C1) • Classify intelligence level (C2) • List the uses of intelligence (C1) • Describe the theories of intelligence (C2, P1) • Define aptitude (C1) • Explain the types of aptitude (C2, P2) • Identify individual differences and variability in aptitude (C1, P1) • Explain the psychometric assessments of cognitive processes (C2, P2) • Explain the alterations in cognitive processes (C2, P2) • Explain the applications (C5,P2)	
Unit 4: Motivation and Emotional processes		
Motivation, emotions, stress, attitudes and their influence on behaviour • Motivation: Meaning, Concepts, Types, Theories, Motives and behaviour, Conflicts and frustration, Conflict resolution	• Define motivation (C1) • Explain the concepts (C2, P2) • List the types of motivation (C1) • Describe the theories of motivation (C2, P1)	8

• Emotions & stress -Emotion: Definition, components, Changes in emotions, theories, emotional adjustments, emotions in health and illness -Stress: Stressors, cycle, effect, adaptation & coping • Attitude: Meaning, nature, development, factors affecting -Behaviour and attitudes -Attitudinal change • Psychometric assessments of emotions and attitudes • Alterations in emotions • Applications	• Illustrate the relationship between motives and behaviour (C4) • Define conflict and frustration (C1) • Explain the concepts of conflict and conflict resolution (C2, P2) • Define emotion (C1) • Explain the components (C2, P2) • Recognize the changes in emotions (C2) • Explain the theories of emotion (C2, P2) • Explain regarding emotional adjustments (C2, P2) • Differentiate the emotions in health and illness (C4, P1) • Describe the type of stressors (C2, P1) • Describe the stress cycle and effects (C2, P1) • Explain the process of adaptation and coping (C2, P2) • Define attitude (C1) • Explain the nature of attitude (C2, P2) • Describe the development of an attitude (C2, P1) • Explain the factors affecting behaviour and attitudes (C2, P2) • Describe the factors affecting attitudinal change (C2, P1) • Explain the Psychometric assessments of emotions and attitudes (C2, P2) • Explain the alterations in emotions (C2,P2)	
Unit 5: Personality		
Personality and its influence on behaviour • Definitions, topography, types, theories • Psychometric assessments of personality • Alterations in personality • Applications	• Define personality (C1) • Explain the topography of personality (C2, P2) • Explain the types and theories (C2, P2) • Explain the psychometric assessments of personality (C2, P2) • Explain the alterations in personality (C2,P2)	7

Unit 6: Developmental Psychology		
- psychology of people during the life cycle Psychology of people at different ages from infancy to old age - Psychology of vulnerable individuals- challenged, women, sick, etc. - Psychology of groups	- Identify the psychology of people at different ages from infancy to old age (C1, P1) - Explain the psychology of vulnerable individuals- challenged, women, sick (C2, P2) - Explain the psychology of groups (C2,P2)	7
Unit 7: Mental Hygiene and Mental Health		
- Characteristics of Mentally healthy person, - Characteristics of poor mental health, - Ego defence mechanisms, - Personal and social adjustments - Guidance and counselling.	- Explain the concepts of mental hygiene and mental health (C2, P2) - List the characteristics of a mentally healthy person (C1) - List the warning signs of poor mental health (C1) - Explain the promotive and preventive mental strategies and services (C2, P2) - Describe ego Défense mechanisms and implications (C2, P1) - Explain the personal and social adjustments (C2, P2) - Explain the concepts of guidance and counselling (C2, P2) - Explain the role of the nurse (C2,P2)	8
Unit 8: Psychological Assessment and tests		
Psychological assessments and role of nurse	- List the types (C1) - Explain the development of tests (C2, P2) - List the characteristics, principles and uses of psychological assessment (C1) - Interpret the scoring of psychological assessment (C3) - Explain the role of the nurse in psychological assessment (C2,P2)	4
Learning strategies, contact hours and student learning time		
<i>Learning strategy</i>	<i>Contact hours</i>	<i>Student learning time (Hrs)</i>
Lecture	55	110
Seminar		
Small Group Discussion (SGD)	04	08
Self-directed learning (SDL)	01	02
Problem Based Learning (PBL)		
Case Based Learning (CBL)		

Clinic								
Practical								
Revision	02	10						
Assessment	06							
TOTAL								
	68	130						
Assessment Methods:								
Formative:		Summative:						
Class tests		University examination						
Assignments/presentations								
Sessional examination								
Mapping of assessment with Cos								
Nature of assessment	CO 1	CO 2	CO 3	CO 4	CO 5	CO 6	CO 7	CO 8
Sessional Examination 1	x	x	x	x				
Sessional Examination 2					x	x	x	x
Assignment/Presentation							x	
University Examination	x	x	x	x	x	x	x	x
Feedback Process	● Course Feedback							
Reference Material	1. Morris, C. G. <i>Psychology for Nurses</i> . Pearson, New Delhi. 2. Mangal, S. K. <i>General psychology</i> . Sterling Publishers Pvt. Ltd\ 3. Babu, S. <i>Psychology for Nurses, -E-Book</i> . Elsevier Health Sciences.							

Assessment Mapping

Topics/Unit	Competency level	Impact	Frequency	I X F	Weightage	Marks	Set 1			Set 2			Set 3			Set 4			Set 5		
							VSN	SA	MCQ	VSN	SA	MCQ	VSN	SA	MCQ	VSN	SA	MCQ	VSN	SA	MCQ
Introduction	C2	1	2	2	0.0500	4.00	2	0	2	2	0	2	2	0	2	0	3	1	0	3	1
Biology of behavior	C4	2	2	4	0.1000	7.00	2	3	2	2	3	2	2	3	2	2	3	2	4	0	3
Cognitive Processes	C2	3	3	9	0.2250	17.00	6	3	8	8	3	6	6	3	8	6	3	8	6	3	8
Motivation and Emotional Processes	C4	3	3	9	0.2250	17.00	6	3	8	6	3	8	6	3	8	6	3	8	6	3	8
Personality	C2	3	3	9	0.2250	17.00	6	3	8	6	3	8	6	3	8	6	3	8	8	0	9
Developmental Psychology	C2	2	2	4	0.1000	7.00	4	3	0	2	3	2	6	0	1	4	0	3	4	3	0
Mental Hygiene and Mental Health	C2	1	2	2	0.0500	4.00	2	0	2	2	0	2	0	3	1	4	0	0	0	3	1
Psychological assessment and tests	C2	1	1	1	0.0250	2.00	2	0	0	2	0	0	2	0	0	2	0	0	2	0	0
Total				40	1.0000	75.00	30	15	30	30	15	30	30	15	30	30	15	30	30	15	30

Summary	Impact	Frequency
Very short answer 15x2=30 marks	1=Nice to know	1=Rarely
Short answer 5x3= 15 marks	2=Need to know	2=Relatively common
MCQ 30x1=30 marks	3=Must know	3=very common
Total=75 marks		

Name of the Institution / Department:

Manipal College of Nursing Manipal, Child Health (Paediatric) Nursing

Name of the Program:	BSc Nursing
Course Title:	Microbiology
Course Code: BSN106	Course Instructor:
Academic Year: 2020-2021	Semester/ Year: First year
No of Hours: 60	Prerequisites: Nil

Synopsis:	This Course is designed to assist the students to acquire understanding of fundamentals of microbiology and identification of various microorganisms. It also provides opportunities for practicing infection control measures in hospital and community settings.
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Course Outcomes (COs):	On successful completion of this course, students will be able to::
CO 1:	Explain the concept and principles of microbiology and their importance in microbiology.
CO 2:	Explain the structure, classification, morphology growth of bacteria and identification of microorganisms.
CO 3:	Enumerate the methods of infection control measure, identify the role of nurse in hospital infection control program.
CO 4:	Explain the different disease producing organisms.
CO 5:	Explain the concept of immunity hypersensitivity and immunization.

Mapping of COs to POs

COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
CO 1	x						
CO 2	x						
CO 3	x						
CO 4	x	x					
CO 5	x						

Course content and outcomes:

Content	Competencies	No of Hours
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Unit 1: Introduction

- Importance and relevance to nursing - Historical perspective - Concepts and terminology - Principles of microbiology	- Explain the importance and relevance of microbiology in nursing (C2) - Outline the historical perspectives (C2) - Define the concepts and terminology (C1) - List the principles of microbiology	5
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Unit 2: General characteristics of microbes

- Structure and classification of Microbes - Morphological types - Size and form of bacteria - Motility - Colonization	- Explain the structure and classification of microbes (C2) - Outline the morphological types of microorganisms (C2) - List the size and form of bacteria (C1)	10
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• Growth and nutrition of microbes ❑ Temperature ❑ Moisture ❑ Blood and body fluids • Laboratory methods for Identification of Micro-organisms • Staining techniques, Gram staining, Acid fast staining, Hanging drop preparation • Culture; various medias	• Explain the motility and colonization of bacteria (C2) • Explain the growth & nutrition of microbes including temperature, moisture, blood and body fluids (C2) • Explain the laboratory methods for identification of microorganisms (C2) • Observe the staining techniques-gram staining, acid fast staining and hanging drop preparation (C2, P1) • List the various culture media (C1)	
Unit 3: Infection control		
Infection Control • Infection: Sources, portal of entry and exit, transmission • Asepsis • Disinfection: Types and methods • Sterilization; Types and Methods • Chemotherapy and antibiotics • Standard safety measures • Biomedical waste management • Role of Nurse • Hospital acquired infection • Hospital infection control programme • Protocols, collection of samples, preparation of report and status of rate of infection in the unit/hospital, nurse's accountability, continuing education etc.	• Explain the sources, portal of entry and exit & transmission of infection (C2) • Define asepsis (C1) • Explain the types and methods of disinfection (C2) • Illustrate the types and methods of sterilization (C2) • List the different types of chemotherapy and antibiotics (C1) • Outline the standard safety measures (C2) • Apply the concept of biomedical waste management in health care (C3, P2) • Explain the role of nurse in infection control (C2) • Classify the hospital acquired infections (C2) • Summarize the hospital infection control programs (C2) • Explain the different methods of sample collection & preparation of reports (C2, P2) • Observe the protocols, status of rate of infection in the unit/hospital. (C2, P1) • Explain the nurse's accountability & continuing education program in hospital infection control (C2)	10

Unit 4: Pathogenic organisms		
• Micro-organisms ❑ Cocci – gram positive and gram negative ❑ Bacilli – gram positive and gram negative ❑ Spirochete ❑ Mycoplasma ❑ Rickettsia ❑ Chlamydia • Viruses • Fungi – Superficial and Deep mycoses • Parasites • Rodents & Vectors Characteristics, Source, portal of entry, transmission of infection Identification of disease producing micro-organisms	• Explain the characteristics, sources, portal of entry, transmission of infection of gram positive and gram negative cocci and bacilli such as Staphylococcus, Streptococci, Pneumococci, Corynebacterium diphtheria, Clostridium tetani & welchi, Mycobacterium tuberculosis and leprae, E. Coli, Salmonella, Shigella (C2) • Explain the characteristics, sources, portal of entry, transmission of infection of spirochaete (Treponema pallidum) (C2) • Explain the characteristics, sources, portal of entry, transmission of infection of mycoplasma (C2) • Explain the characteristics, sources, portal of entry, transmission of infection of Rickettsia (C2) • Explain the characteristics, sources, portal of entry, transmission of infection of Chlamydia (C2) • Explain the characteristics, source, portal of entry, transmission of infection of viruses such as Herpes, Cytomegalovirus, Varicella zoster, Epstein Barr Virus, Polio, Rabies, Measles, dengue & Japanese B encephalitis, Hepatitis, HIV (C2) • Explain the characteristics, source, portal of entry, transmission of infection of fungi such as superficial and deep mycosis. Dermatophytes, Candida, Cryptococcus, Histoplasma and Aspergillus (C2) • Explain the characteristics, source, portal of entry, transmission of infection of parasites such as Entamoeba histolytica, Leishmania donovani, Plasmodium falciparum and vivax, Taenia solium, Taenia saginata, Echinococcus granulosus, Ascaris lumbricoides, Ancylostoma duodenale, Trichuris trichiura,	12

Collection, handling and transportation of various specimens	Enterobius vermicularis, Wucheria bancrofti (C2) - Explain the characteristics, source, portal of entry and transmission of infection of Rodents and vectors (C2) - Explain the disease producing microorganisms (C2) - Describe collection, handling and transportation of various specimens. (C2, P1)	
Unit 5: Immunity		
- Immunity-Types, classification - Antigen and antibody reaction - Hypersensitivity – skin test - Serological tests - Immuno prophylaxis - Vaccines & sera – Types & Classification, storage and handling, cold chain - Immunization for various diseases - Immunization Schedule	- Explain the classification and types of immunity (C2) - Explain the concept of antigen and antibody reaction (C2) - Illustrate the hypersensitivity reaction- skin test (C2) - List the serological tests (C1) - Define Immuno prophylaxis (C1) - Explain the types, classifications, storage and handling of vaccines and sera (C2) - Explain the use of cold chain (C2) - Explain the immunization available for various diseases (C2) - Outline the immunization schedule (C2)	8
Learning strategies, contact hours and student learning time		
<i>Learning strategy</i>	<i>Contact hours</i>	<i>Student learning time (Hrs)</i>
Lecture	39	78
Small Group Discussion (SGD)	02	04
Self-directed learning (SDL)	02	04
Quiz	02	04
Practical	15	15
Revision	04	15
Assessment	06	-
TOTAL	55+15 (P)= 70	120
Assessment Methods:		
Formative:		Summative:
Class tests		University examination
Assignments/presentations		
Online course		
Sessional examination		

Mapping of assessment with Cos					
Nature of assessment	CO 1	CO 2	CO 3	CO 4	CO 5
Sessional Examination 1	x	x		x	
Sessional Examination 2			x	x	x
Online course	x	x	x	x	x
Assignment/Presentation	x	x	x	x	x
University Examination	x	x	x	x	x
Feedback Process	Course Feedback				
Reference Material	Baveja C P. Microbiology for Nursing. 6th edition, 2017, Arya publications.				

Assessment Mapping

Topics/Unit	Competency level	Impact	Frequency	I X F	Weightage	Marks	Set 1			Set 2			Set 3			Set 4			Set 5		
							SN (3 mark)	SA (2 mark)	MCQ (1 mark)	SN (3 mark)	SA (2 mark)	MCQ (1 mark)	SN (3 mark)	SA (2 mark)	MCQ (1 mark)	SN (3 mark)	SA (2 mark)	MCQ (1 mark)	SN (3 mark)	SA (2 mark)	MCQ (1 mark)
Unit 1 - Introduction (5 hrs.)	C2	1	1	1	0.03	2		2			2			2			2			2	
Unit 2- General Characteristics of Microbes (10 hrs.)	C2, P1	2	2	4	0.114	9	3	4	2	3	4	2	3	4	2	3	4	2	3	4	2
Unit 3- Infection Control (10 hrs.)	C3,P2	2	3	6	0.171	13	3	6	4	3	6	4	3	6	4	3	6	4	3	6	4
Unit 4- Pathogenic Organisms. (12 hrs.)	C2 P1																				
Bacteriology & Mycology.		3	3	9	0.257	19	3	6	10	3	6	10	3	6	10	3	6	10	3	6	10
Virology & Parasitology.		3	3	9	0.257	19	3	6	10	3	6	10	3	6	10	3	6	10	3	6	10
Unit 5- Immunity (8 hrs.)	C2	2	3	6	0.171	13	3	6	4	3	6	4	3	6	4	3	6	4	3	6	4
Total				35	1	75	15	30	30	15	30	30	15	30	30	15	30	30	15	30	30

Summary	Impact	Frequency
Short note 5x3= 15 marks	1=Nice to know	1=Rarely
Short answer 15x2=30 marks	2=Need to know	2=Relatively common
MCQ 30x1=30 marks	3=Must know	3=very common
Total: 75 marks		

Name of the Institution / Department:

Manipal College of Nursing Manipal, Psychiatric (Mental Health) Nursing

Name of the Program:		BSc Nursing					
Course Title:		English					
Course Code: BSN107		Course Instructor:					
Academic Year: 2020-2021		Semester/ Year: First Year					
No of Hours: 60		Prerequisites: Nil					
Synopsis:	This course is designed to help nursing students to develop language proficiency and effective communication skills in English required in the contexts related to nursing profession.						
Course Outcomes (COs):		On successful completion of this course, students will be able to:					
CO 1:		Demonstrate skills of writing effectively without grammatical errors					
CO 2:		Demonstrate effective communication skills with individuals/groups					
CO 3:		Display active listening skills involving feedback in diverse interactive contexts.					
CO 4:		Critically analyse and interpret a piece of text					
Mapping of COs to POs							
<i>COs</i>	<i>PO 1</i>	<i>PO 2</i>	<i>PO 3</i>	<i>PO 4</i>	<i>PO 5</i>	<i>PO 6</i>	<i>PO 7</i>
CO 1	x						
CO 2	x				x		
CO 3	x				x		
CO 4	x						
Course content and outcomes:							
<i>Content</i>			<i>Competencies</i>				<i>No of Hours</i>
Unit 1: Review of Grammar							
Rules of grammar related to articles, tenses, basic order of words in a sentence, subject-verb agreement, and question tags, use of countable and uncountable nouns. Kinds of words in their different forms of structure in writing as well as in speech.			- Recall/ Review different rules of grammar related to articles, tenses, basic order of words in a sentence, subject-verb agreement, question tags, use of countable and uncountable nouns (C1) - Choose different kinds of words in their different forms of structure in writing as well as in speech (C1)				10
Unit 2: Reading and Comprehension of Passages							
Read and comprehend prescribed course books.			- Develop essential skills needed for reading effectively a passage (C3) - Explain the strategies related to reading a given piece of text (C2) - Demonstrate ability to answer the questions precisely and unambiguously on a given piece of passage (C2)				30

Unit 3: Writing skills		
Various forms of composition: Letter writing, Note taking, Précis writing, Nurses notes, Anecdotal records, Diary writing, Report on health problems etc., Resume/CV.	- Develop the skill of writing letters along with the Resumes (C3) - Demonstrate the skill of Précis Writing (C2) - Demonstrate skills related to writing essays and pieces of text without errors (C2)	10
Unit 4: Spoken English		
Oral reports, Discussion, Debate, Telephone conversation	- Develop skill in public speaking (C3) - Explain essential aspects of public speaking (C2) - Construct a speech according to Speech rubric (C3) - Demonstrate effective speech (C2) - Develop skill in providing speech response (C3)	6
Unit 5: Listening Comprehension		
Media, audio, video, speeches	- Demonstrate active listening skills involving feedback in diverse interactive contexts (C2) - Prepare responses to a given piece of audio, video text (C3)	4
Learning strategies, contact hours and student learning time		
<i>Learning strategy</i>	<i>Contact hours</i>	<i>Student learning time (Hrs)</i>
Lecture	50	100
Seminar	-	
Small Group Discussion (SGD)	02	
Self-directed learning (SDL)	04	
Problem Based Learning (PBL)		
Case Based Learning (CBL)		
Clinic		
Practical		
Revision	02	20
Assessment	02	
TOTAL	60	120
Assessment Methods:		
Formative:		Summative:
Class tests		University examination
Assignments/presentations		
Sessional examination		

Mapping of assessment with Cos						
Nature of assessment	CO 1	CO 2	CO 3	CO 4	CO 5	CO 6
Sessional Examination 1	x	x	x			
Sessional Examination 2	x	x	x			
Assignment/Presentation				x	x	
University Examination	x	x	x	x	x	
Feedback Process	Course Feedback					
Reference Material	1. K.J. Tom's Communicative English For B.Sc. Nursing Students					

Assessment Mapping

Topics/Unit	Competency level	Impact	Frequency	I X F	Weightage	Marks	Marks	Set 1			Set 2			Set 3			Set 4			Set 5		
								Essay	SN	Objective type	Essay	SN	Objective type	Essay	SN	Objective type	Essay	SN	Objective type	Essay	SN	Objective type
(Review of Grammar) Speak and write grammatically correct English	C1	1	1	1	0.1111	4.44	4	0	0	7	0	0	7	0	0	7	0	0	7	0	0	7
Reading, Comprehension, Passages	C3	2	1	2	0.2222	8.88	9	0	5	4	0	5	4	0	5	4	0	5	4	0	5	4
Writing skills	C3	3	1	3	0.3333	13.33	13	15	0	0	15	0	0	15	0	0	15	0	0	15	0	0
Spoken English	C3	1	1	1	0.1111	4.44	4	0	0	4	0	0	4	0	0	4	0	0	4	0	0	4
Listening Comprehension	C3	2	1	2	0.2222	8.88	9	0	0	5	0	0	5	0	0	5	0	0	5	0	0	5
Total				9		39.97	40	15	5	20	15	5	20	15	5	20	15	5	20	15	5	20

Summary	Impact	Frequency
Essay 1x15=15 marks	1=Nice to know	1=Rarely
Short note 1x5=5 marks	2=Need to know	2=Relatively common
Objective type 1x20= 20 marks	3=Must know	3=very common
Total: 40 marks		

Name of the Institution / Department:
Manipal College of Nursing Manipal, OBG Nursing

Name of the Program:		BSc Nursing					
Course Title:		Introduction to Computer					
Course Code: BSN108		Course Instructor:					
Academic Year: 2020-2021		Semester/ Year: First Year					
No of Hours: 45		Prerequisites: Nil					
Synopsis:	This course is designed to help nursing students to develop basic understanding of uses in computer and its applications in nursing.						
Course Outcomes (COs):		On successful completion of this course, students will be able to:					
CO 1:		Critically identify and analyse application of computer in Nursing field					
CO 2:		Demonstrate skills in using operating system and multimedia					
CO 3:		Demonstrate effective skills in operating internet and email					
CO 4:		Display active use of statistical packages and hospital management system					
Mapping of COs to POs							
COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
CO 1	x	x					
CO 2	x						
CO 3	x						
CO 4	x						
Course content and outcomes:							
Content			Competencies				No of Hours
Unit 1: Concepts of computer							
- -concepts in computer -Hardware and software: trends and technology, Application of computer in nursing.			- Discuss different concepts in computer (C2) - Explain and demonstrate the Hardware use and software uses (C2) Describe the application of hardware and software and its trends and use in each technology (C1, P1) Develop the skill of using computer (C2)				3
Unit 2: Introduction to disk operating system and MS Office							
Essential Skills to operate DOS and windows, use of MS office, skills to work on MS word, excel, pictorial presentation, Power point.			- Develop essential skills to operate DOS and windows (C2) Demonstrate the use of MS office (C3 A3) -Develop essential skills to work on MS word, excel, pictorial presentation, Power point (C2 P3)				6 hrs T 20 hrs P
Unit 3: Multimedia, Computer aided teaching & testing							
Types and uses of multimedia, computer aided teaching, testing with computer.			• Explain and Discuss the types and uses of multimedia (C2, A2)				2hr T 3hr P

	• Demonstrate computer aided teaching (C3 A3) • Develop skill in testing with computer (C2)			
Unit 4: Uses of internet and email				
Internet and email skills in internet and email	- Explain and Discuss the uses of internet and email (C2, A2) - Demonstrate the skills in internet and email (C3 A3)	1hrT 3hr P		
Unit 5: Statistical packages				
Skills in use of statistical packages	- Develop essential skills in use of statistical packages (C2) - Discuss the types (C2, A2) - Discuss the features (C2, A2)	2hr T 2hr P		
Unit 6: Hospital Management system				
Types and features	- Discuss the types (C2, A2) - Discuss the features (C2, A2)	2 hr T 1Hr P		
Learning strategies, contact hours and student learning time				
<i>Learning strategy</i>	<i>Contact hours</i>	<i>Student learning time (Hrs)</i>		
Lecture	15	30		
Seminar				
Small Group Discussion (SGD)				
Self-directed learning (SDL)	01	08		
Problem Based Learning (PBL)	-			
Case Based Learning (CBL)	-			
Clinic	-			
Practical	29	58		
Revision	04	08		
Assessment	03			
TOTAL	52	104		
Assessment Methods:				
Formative:		Summative:		
Class tests		University examination		
Assignments/presentations				
Quiz				
Sessional examination				
Mapping of assessment with Cos				
Nature of assessment	CO 1	CO 2	CO 3	CO 4
Sessional Examination 1	×	×	×	
Sessional Examination 2	×	×		×
Quiz				
Assignment/Presentation				

University Examination	×	×	×	×
Laboratory examination				
Feedback Process	Course Feedback			
Reference Material	1. N.C Jain & Saakshi, computer for nurses 3 rd edition, AITBS publishers, 2015			

Assessment Mapping

Topics/Unit	Competency level	Impact	Frequency	I X F	Weightage	Marks	Set 1			Set 2			Set 3			Set 4			Set 5		
							Essay	SA	MCQ	Essay	SA	MCQ	Essay	SA	MCQ	Essay	SA	MCQ	Essay	SA	MCQ
Unit 1: Concepts of computer	C1, C2, P1	2	2	4	0.05	7		5	2		5	2		5	2		5	2		5	2
Unit 2: Introduction to disk operating system and MS Office	C2, C3, A3 P3	2	2	4	0.05	15		5	5		5	5		5	5		5	5		5	5
Unit 3: Multimedia, Computer aided teaching & testing	C2, C3, A2, A3	2	2	4	0.05	12		5	2		5	2		5	2		5	2		5	2
Unit 4: Uses of internet and email	C2, C3, A2, A3	2	2	4	0.05	7		5	2		5	2		5	2		5	2		5	2
Unit 5: Statistical packages	C2, A2	2	2	4	0.05	2			2			2			2			2			2
Unit 6: Hospital Management system	C2, A2	3	2	6	0.075	7		5	2		5	2		5	2		5	2		5	2
Total				26		50		25	15		25	15		25	15		25	15		25	15

Summary	Impact	Frequency
Short answer 5x5= 35 marks	1=Nice to know	1=Rarely
MCQ 1 mark – 15x1 = 15 marks	2=Need to know	2=Relatively common
Total: 40 marks	3=Must know	3=very common
Final exam question paper is out of 40 marks and 10 weightage by sessional exam and assignment		

Name of the Institution / Department:
Manipal College of Nursing Manipal, OBG Nursing

Name of the Program:		BSc Nursing					
Course Title:		Sociology					
Course Code: BSN201		Course Instructor:					
Academic Year: 2020-2021		Semester / Year: Second Year					
No of Hours: 60		Prerequisites: Nil					
Synopsis:	This Course is designed to introduce the concepts of sociology related to community and social institutions in India and its relationship with health, illness and nursing.						
Course Outcomes (COs):		On successful completion of this course, students will be able to:					
CO 1:		Describe the importance of various types of communities, cast class along with the role of sociology in nursing.					
CO 2:		Explain the growth of population in India, influence of culture, social change and its impact on health.					
CO 3:		Explain the role of nurse in dealing with social problems in India.					
CO 4:		Distinguish the various social groups and compare their interactions in India.					
CO 5		Compare the practices followed by the communities, cast and class in India and the impact on health.					
Mapping of COs to POs							
<i>COs</i>	<i>PO 1</i>	<i>PO 2</i>	<i>PO 3</i>	<i>PO 4</i>	<i>PO 5</i>	<i>PO 6</i>	<i>PO 7</i>
CO 1	x						
CO 2	x						
CO 3	x						
CO 4	x						
CO 5	x						
Course content and outcomes:							
<i>Content</i>			<i>Competencies</i>			<i>No of Hours</i>	
Unit 1: Introduction							
Definition of Sociology, Nature and scope of the discipline, importance and application of Sociology in nursing.			- Definition of Sociology (C1) - Describe Nature and scope of the discipline (C1) - List importance and application of Sociology in nursing (C1)			1	
Unit 2: Individual and society							
Define Society and community, Nature of society, Difference between Society and community, process of socialization and individualization, personal disorganization.			- Define Society and community(C1) - Describe the Nature of society (C2) - Difference between Society and community (C4) - Analyse the process of socialization and individualization (C4) - Describe personal disorganization (C2)			3	

Unit 3: Culture		
Nature of culture, evolution of culture, diversity and uniformity of culture, culture and socialization, Transcultural society, Influence on health and disease.	- Describe the nature of culture (C2) - Explain the evolution of culture (C2) - Describe the diversity and uniformity of culture (C2) - Explain culture and socialization (C2) - Explain Transcultural society(C2) - Illustrate the Influence on health and disease (C3)	3
Unit 4: Social groups and Processes		
Different groups, Primary and secondary group, In-group v/s. Out-group, Class, Tribe, Caste Economic, political, religious group, mob, crowd, public and audience interaction and social processes, Co-operation, Competition, Conflict Accommodation, Assimilation and Isolation.	- Define and classification of groups (C1 & C2) - Differentiate Primary and secondary group (C2) - Differentiate In-group v/s. Out-group, (C2) - Describe Class, Tribe, Caste Economic, political, religious group, mob, crowd, public and audience interaction and social processes (C2) - Explain Co-operation, Competition, Conflict Accommodation, Assimilation and Isolation (C2)	4
Unit 5: Population		
Society and population, Population distribution in India- Demographic characteristics, Malthusian theory of population, Population explosion in India and its impact on health status, family welfare programmes.	- Define Society and population (C1) - Describe the Population distribution in India- Demographic characteristics (C2) - Explain the Malthusian theory of population (C2) - Analyse Population explosion in India and its impact on health status (C2) - Explain family welfare programmes(C2)	6
Unit 6: Family and marriages		
Family & Functions, Types – Joint, Nuclear, Blended and Extended family: explain Characteristics, modern family – Changes, Problems-Dowry etc., Welfare services, -changes and legislations on family and marriage in India- marriage acts,	- Define Family & list the Functions (C1) - List the Types of family. (C1) - Explain the characteristics (C1) - Discuss the modern family and welfare services (C2) - Identify the changes and legislations on family and marriage in India- marriage acts (C2)	5

-Marriage: Forms and functions of marriage, types of marriage and family problems in India, influence on health and health practices.	• Define Marriage: Forms and functions of marriage (C1) • List the types of marriage and family problems in India (C1) • Explain the influence of marriage on health and health practices (C2)	
Unit 7: social stratification		
Social stratification, Indian caste system – origin and features, features of caste in India today, Social class system and status, Social Mobility, Race as a biological concept, criteria of racial classification, primary races – racism, Influence of class, caste and race on health and health practices.	▪ Define and list the types of Social stratification (C1) ▪ Explain Indian caste system – origin and features (C2) ▪ Describe the features of caste in India today (C2) ▪ Explain the Social class system and status (C1) ▪ Explain the meaning and types of social mobility (C2) ▪ Describe Race as a biological concept, criteria of racial classification(C2) ▪ List the salient features of primary races – racism (C1) • Explain the Influence of class, caste and race on health and health practices(C2)	7
Unit 8: Types of communities in India		
village community and characteristics of Indian villages – Panchayat system, social dynamics, community development project and planning, Changes in Indian rural life, health facilities in rural area and its impact on health and health practices, Urban – Community – Features, growth of cities: Urbanization and its impact on health and health practices, major urban problems – Urban slums, Regions: Problems and impact on health.	• Explain the features of village community and characteristics of Indian villages – Panchayat system, social dynamics (C2) • Discuss the community development project and planning (C2) • List the Changes in Indian rural life (C1) • Describe the availability of health facilities in rural area and its impact on health and health practices (C2) • Explain the features of Urban Community (C2) • Explain the growth of cities: Urbanization and its impact on health and health practices (C2) • List down the major urban problems – Urban slums (C1) • Explain Regions: Problems and impact on health. (C2)	6

Unit 9: Social Change		
Nature and process of Social Change, factors influencing Social Change: Cultural change, cultural lag. -Theories of social change: Linear, Cyclical, Marxian, Functional Role of nurse – Change agents.	• Explain the nature and process of Social Change (C1) • Explain the factors influencing Social Change: Cultural change, cultural lag. (C2) • Describe the theories of social change and functional Role of nurse (C2)	4
Unit 10: Social organisation and Social system		
Social organization: Elements, types, -democratic and authoritarian modes of participation, voluntary associations - Social System: Definition and types of social system, role and status as structural elements of social system, Inter-relationship of institutions.	▪ Define social organization(C1) ▪ List the elements and types of social organization (C1) ▪ Describe the democratic and authoritarian modes of participation (C2) ▪ Explain the voluntary associations (C2) ▪ Explain Social System: Definition and types (C2) ▪ Discuss the role and status as structural elements of social system (C2) ▪ Discuss the Inter-relationship of institutions (C2)	4
Unit 11: Social control		
• Nature and process of social control, • Politics, legal, religious, educational, economic, industrial and technological systems, norms and values – folkways and mores customs, laws and fashion, • role of nurse.	• Describe the nature and process of social control(C2) • Explain Politics, legal, religious, educational, economic, industrial and technological systems, norms and values – folkways and mores customs, laws and fashion (C2) • Discuss the role of nurse (C2)	2
Unit 12: Social problems		
• Social disorganization, • Control and planning: Poverty, housing, illiteracy, food supplies, prostitution, rights of women and children, • vulnerable groups: Elderly, handicapped, minority groups and other marginalized groups, child labour, child abuse, delinquency and crime, substance abuse, HIV / AIDS,	• Define Social disorganization (C1) • Explain Control and planning: Poverty, housing, illiteracy, food supplies, prostitution, rights of women and children (C2) • Discuss the vulnerable groups: Elderly, handicapped, minority groups and other marginalized groups, child labour, child abuse, delinquency and crime, substance abuse, HIV / AIDS(C2)	15

- social welfare programmes in India, - Role of nurse	- Explain the social welfare programmes in India (C2) - Discuss the role of nurse (C2)					
Learning strategies, contact hours and student learning time						
Learning strategy	Contact hours	Student learning time (Hrs)				
Lecture	60	120				
Seminar	-					
Small Group Discussion (SGD)	01	05				
Self-directed learning (SDL)	01	05				
Writing/assignments	03	10				
Revision	01	10				
Assessment	6					
TOTAL	72	150				
Assessment Methods:						
Formative:		Summative:				
Class tests		University examination				
Assignments/presentations						
Quiz						
Sessional examination						
Mapping of assessment with Cos						
Nature of assessment	CO 1	CO 2	CO 3	CO 4	CO 5	CO 6
Sessional Examination 1	x	x	x			
Sessional Examination 2			x	x		x
Assignment				x		x
University Examination	x	x	x	x		x
Feedback Process	Course Feedback					
Reference Material	- A.Ian Clement., Sociological implication in nursing:2007 1stedn, frontline publication . S. Iohumi, sociology for nurses:2015 1st edn, Elsevier					

Assessment Mapping

Topics/Unit	Competency level	Impact	Frequency	I X F	Weightage	Marks	Set 1			Set 2			Set 3			Set 4			Set 5		
							Essay	SN	MCQ	Essay	SN	MCQ	Essay	SN	MCQ	Essay	SN	MCQ	Essay	SN	MCQ
Unit 1: Introduction	C1	1	1	1	0.0125	7		5	2		5	2		5	2		5	2		5	2
Unit 2: Individual and society	C1, C2, C4	2	2	4	0.05																
Unit 3: Culture	C1, C2	2	2	4	0.05	2			2			2			2			2			2
Unit 4: Social groups and Processes	C2, C3	1	1	1	0.0125	6		5	1		5	1		5	1		5	1		5	1
Unit 5: Population	C1, C2	2	2	4	0.05	6		5	1		5	1		5	1		5	1		5	1
Unit 6: Family and marriages	C1, C2	2	2	4	0.05	13	12		1	12		1	12		1	12		1	12		1
Unit 7: social stratification	C1, C2	1	1	1	0.0125	7		5	2		5	2		5	2		5	2		5	2
Unit 8: Types of communities in India	C1, C2	2	2	4	0.05	6		5	1		5	1		5	1		5	1		5	1
Unit 9: Social Change	C1, C2	2	1	2	0.025	6		5	1		5	1		5	1		5	1		5	1
Unit 10: social organisation and Social system	C1, C2	2	1	2	0.025	6		5	1		5	1		5	1		5	1		5	1
Unit 11: Social control	C2	1	1	1	0.0125	2			2			2			2			2			2
Unit 12: Social problems	C1, C2	3	2	6	0.075	14	13		1	13		1	13		1	13		1	13		1
Total				34		75	25	35	15	25	35	15	25	35	15	25	35	15	25	35	15

Summary	Impact	Frequency
Essay 1x12=12 marks, 1x13=13 marks, Total=25 marks	1=Nice to know	1=Rarely
Short note 7x5= 35 marks	2=Need to know	2=Relatively common
MCQ 15x1=15 marks	3=Must know	3=very common
Total: 75 marks		

Name of the Institution / Department:

Manipal College of Nursing Manipal, Medical Surgical Nursing

Name of the Program:		Second year BSc Nursing					
Course Title:		Medical Surgical Nursing I (Theory)					
Course Code: BSN 202		Course Instructor:					
Academic Year: 2020-2021		Semester/ Year: Second Year					
No of Hours: 210		Prerequisites: Nil					
Synopsis:	This course is designed to help the students to acquire knowledge and develop proficiency in caring for patients with medical and surgical disorders in varieties of health care settings and at home.						
Course Outcomes (COs):		On successful completion of this course, students will be able to:					
CO 1:		Review the trends in medical surgical nursing, role of a nurse in caring for adult patient in hospital and community and concepts of medical surgical asepsis.					
CO 2:		Examine the common signs and symptoms, problems and their specific nursing interventions.					
CO 3:		Discuss the etiology, pathophysiology, clinical manifestations, diagnostic measures and the management of disorders of respiratory, digestive, blood and cardiovascular, genitourinary, male reproductive, endocrine, integumentary, musculoskeletal, immunological system.					
CO 4:		Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients with communicable diseases.					
CO 5:		Apply the concepts of perioperative nursing.					
Mapping of COs to POs							
<i>COs</i>	<i>PO 1</i>	<i>PO 2</i>	<i>PO 3</i>	<i>PO 4</i>	<i>PO 5</i>	<i>PO 6</i>	<i>PO 7</i>
CO 1	x	x				x	
CO 2	x	x				x	
CO 3	x	x				x	
CO 4	x	x				x	
CO 5	x	x				x	
Course content and outcomes:							
<i>Content</i>			<i>Competencies</i>			<i>No of Hours</i>	
Unit 1: Introduction							
• Evolution and trends of medical surgical nursing, • concepts of health and illness, disease concepts and causation, • International classification of diseases, acute illness, chronic illness and terminal illness, stages of illness, • concepts of comprehensive nursing care in medical surgical conditions based on nursing process, • role of nurse in patient and family in care of adult patient, role and			• Describe the evolution and trends of medical surgical nursing (C2) • Review the concepts of health and illness, disease concepts and causation (C2) • Classify the International classification of diseases, acute illness, chronic illness and terminal illness and stages of illness (C2) • Express the concepts of comprehensive nursing care in medical surgical conditions based on nursing process (C2)			10	

responsibility of a nurse in medical surgical setting, OPD, IP, ICU, home and community settings, • medical surgical asepsis, inflammation and infection, immunity, wound healing, • care of pre-operative, intra-operative and post-operative patient.	• Describe the role of nurse, patient and family in care of adult patient (C2) • Identify the role and responsibility of a nurse in medical surgical setting OPD, IP, ICU, home and community settings (C2) • Discuss medical surgical asepsis: inflammation and infection, immunity, wound healing (C2) • Demonstrate the pre-operative, intra-operative and post-operative care of patient. (C3)	
Unit 2: Common signs and symptoms and management		
Causes, types, physiology, pathophysiology, signs and symptoms and the management of various • fluid and electrolyte imbalances, • vomiting, • dyspnoea and cough, • respiratory obstruction, • fever, • shock, • Unconsciousness patient • , syncope, • pain, • incontinence and enema. • Old age related problems	• Compare the causes, signs and symptoms and treatment plan of various fluid and electrolyte imbalances (C4) • Discuss the causes, signs, symptoms and treatment plan of vomiting (C2) • Describe the causes, signs, symptoms and management of dyspnoea and cough (C2) • Identify the causes, signs, symptoms and management of respiratory obstruction (C2) • Compare the types, causes, signs, symptoms and management of fever (C4) • Discuss the causes, types, pathophysiology, signs, symptoms and management of shock (C2) • Explain the causes and the management of unconsciousness patient (C2) • Discuss the causes, signs, symptoms and management of syncope (C2) • Describe the causes, physiology, signs, symptoms and the management of pain (C2) • Compare the causes, types, signs, symptoms and the management of incontinence (C4) • Discuss the causes, signs, symptoms and the management of enema (C2) • Recognize the old age related problems (C1)	15

Unit 3: Management of patients (adults including elderly) with respiratory problems		
• Anatomy and physiology of respiratory system, • nursing assessment, etiology, pathophysiology, • clinical manifestations, diagnostic measures and the medical, surgical and nursing management of: - upper respiratory tract infections, bronchitis, emphysema, pleural effusion, pulmonary embolism, atelectasis, bronchiectasis, lung abscess and empyema, asthma, COPD, pneumonia and pulmonary tuberculosis cysts and tumours, chest injuries, respiratory arrest and insufficiency.	• Review the anatomy and physiology of respiratory system (C2) • Discuss the history and physical assessment of respiratory system (C2) • Relate the etiology, pathophysiology, clinical manifestations, diagnostic measures and the management of upper respiratory tract infections (C4) • Analyse the etiology, pathophysiology, clinical manifestations, diagnostic measures and the management of bronchitis, emphysema, pleural effusion, pulmonary embolism, atelectasis, bronchiectasis, lung abscess and empyema (C4) • Explain the etiology, pathophysiology, clinical manifestations, diagnostic measures and the management of asthma, COPD, pneumonia and pulmonary tuberculosis (C4) • Explain the etiology, pathophysiology, clinical manifestations, diagnostic measures and the management of cysts and tumours, chest injuries, respiratory arrest and insufficiency (C2)	20
Unit 4: Management of patients (adults including elderly) with disorders of digestive system		
• Anatomy and physiology of digestive system, • Nursing assessment & physical assessment • Etiology, pathophysiology, clinical manifestations, diagnostic measures and the management of disorders of oral cavity, (lips, gums, tongue, salivary glands and teeth) • Disorders of oesophagus (inflammation, stricture, obstruction, bleeding and tumours), hernia, • Disorders of stomach (hiatus hernia, gastritis, peptic ulcer, bleeding, pyloric stenosis and tumours), -small intestinal disorders (inflammation, infection,	• Review the anatomy and physiology of digestive system (C2) • Discuss the nursing assessment - history and physical assessment of digestive system (C2) • Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and the management of disorders of oral cavity, disorders of oesophagus and hernia (C2) • Explain the etiology, pathophysiology, clinical manifestations, diagnostic measures and the management of disorders of stomach (C3) • Analyse the etiology, pathophysiology, clinical manifestations, diagnostic measures and the management of small & large intestinal disorders (C4)	30

malabsorption, obstruction, tumour and perforation), -large intestinal disorders (inflammation and infection, obstruction, tumour and lump), • Disorders of appendix (inflammation, mass, abscess and rupture), • Disorders of anus and rectum (haemorrhoids, fissures and fistulas), disorders of pancreas (inflammation, cyst, abscess and tumours), • Disorders of liver (inflammation, cyst, abscess, cirrhosis, portal hypertension, hepatic failure, and tumours), and • Disorders of gall bladder (inflammation, obstruction, stones and tumours).	• Identify the etiology, pathophysiology, clinical manifestations, diagnostic measures and the management of disorders of appendix (C4) • Express the etiology, pathophysiology, clinical manifestations, diagnostic measures and the management of disorders of anus and rectum, peritonitis or acute abdomen (C2) • Explain the etiology, pathophysiology, clinical manifestations, diagnostic measures and the management of disorders of pancreas disorders of liver, disorders of gall bladder (C3)	
Unit 5: Management of patients (adults including elderly) with blood and cardiovascular problems		
• Anatomy and physiology of blood and cardiovascular system, • Nursing assessment, • Etiology, pathophysiology, clinical manifestations, diagnostic measures and the management of cardiovascular disorders (hypotension, Raynaud's disease, aneurysm and peripheral vascular disorders) • Heart Hypertension, Coronary artery diseases, Ischemic Heart Disease, Coronary atherosclerosis, Angina pectoris 'Myocardial infarction • Valvular disorders of the heart: Congenital and acquired, Rheumatic Heart diseases • Endocarditis, Pericarditis Myocarditis • Cardio Myopathies pulmonary edema, cardiac tamponade • Disorders of blood (anaemia's, polycythaemia, bleeding disorders; clotting factor defects, platelet	• Review the anatomy and physiology of blood and cardiovascular system (C2) • Discuss the nursing assessment - history and physical assessment of cardiovascular system (C2) • Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and the management of cardiovascular disorders (C3) • Explain the etiology, pathophysiology, clinical manifestations, diagnostic measures and the management of cardiovascular disorders (C3) • Identify the etiology, pathophysiology, clinical manifestations, diagnostic measures and the management of cardiovascular disorders (C3) • Examine and interpret the normal and abnormal ECGs, cardiac dysrhythmias and heart block (C3) • Discuss the cardiac emergencies and arrest and cardiopulmonary resuscitation (CPR) (C2)	30

defects, thalassemia, leukaemia's, leukopenia's, agranulocytosis, lymphomas, myeloma,) • Normal and abnormal ECGs, cardiac dysrhythmias and heart block • Cardiac emergencies and arrest and cardiopulmonary resuscitation (CPR), • Blood transfusion, organ donation, organ retrieval and banking.	• Explain the etiology, pathophysiology, clinical manifestations, diagnostic measures and the management of the disorders of blood (C3) • Practice the appropriate methods of blood transfusion, management of transfusion reaction and waste management in blood transfusion (C3) • Describe the role of a nurse in organ donation, retrieval and banking (C2)	
Unit 6: Management of patients (adults including elderly) with disorders of genito-urinary system		
Anatomy and physiology of genito-urinary system, nursing assessment, etiology, pathophysiology, clinical manifestations, diagnostic measures and the management of renal disorders and disorders of genito-urinary system . Nephritis, Nephrotic syndrome, Nephrosis, Renal calculus, Tumours, Acute renal failure, Chronic renal failure, End stage renal disease, Dialysis, renal transplant • Congenital disorders, urinary infections • Benign prostate hypertrophy • Disorders of ureter, urinary bladder and urethra – inflammation, infection, stricture, obstruction, tumour, prostate Special therapies, alternative therapies Nursing procedures Drugs used in treatment of genito-urinary disorders	• Review the anatomy and physiology of genito-urinary system (C2) • Discuss the nursing assessment - history and physical assessment of genito-urinary system (C2) • Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and the management of renal disorders (nephritis, nephrotic syndrome, nephrosis, renal calculus, acute renal failure, chronic renal failure/ end stage renal disease) (C2) • Explain the etiology, pathophysiology, clinical manifestations, diagnostic measures and the management of disorders of genito-urinary system (congenital disorders, tumours, urinary infections, inflammation, stricture, stricture, obstruction) (C2)	10
Unit 7: Management of patients (adults including elderly) with disorders of male reproductive system		
• Anatomy and physiology of male reproductive system, nursing assessment, etiology, pathophysiology, clinical manifestations, diagnostic measures and the management of congenital malformations (cryptorchidism, hypospadias and epispadias's) and infections of the male reproductive system, • Disorders of testis and adjacent structures, disorders of penis,	• Review the anatomy and physiology of male reproductive system (C2) • Discuss the nursing assessment - history and physical assessment of male reproductive system (C2) • Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and the management of congenital malformations and infections of the male reproductive system (C2)	5

disorders of prostate (inflammation, infection, hypertrophy and tumour), sexual dysfunction, infertility and breast disorders, • Male contraception and climacteric changes.	• Explain the etiology, pathophysiology, clinical manifestations, diagnostic measures and the management of disorders of testis and adjacent structures, disorders of penis, disorders of prostate (C2) • Identify the etiology, pathophysiology, clinical manifestations, diagnostic measures and the management of sexual dysfunction, infertility and breast disorders (gynecomastia and tumour) (C2) • Discuss about male contraception and climacteric changes (C2)	
Unit 8: Management of patients (adults including elderly) with disorders of endocrine system		
• Review of anatomy and physiology of endocrine system • Nursing Assessment-History and Physical assessment • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of – Disorders of Thyroid and Parathyroid – Diabetes mellitus – Diabetes insipidus – Adrenal tumour – Pituitary disorders – Special therapies, alternative therapies Nursing Procedures Drugs used in treatment of disorders of endocrine system.	• Review the anatomy and physiology of endocrine system (C2) • Discuss the nursing assessment - history and physical assessment of endocrine system (C2) • Express the etiology, pathophysiology, clinical manifestations, diagnostic measures, medical, surgical and nursing management for disorders of thyroid gland (C3) • Write the etiology, pathophysiology, clinical manifestations, diagnostic measures, medical, surgical and nursing management for disorders of parathyroid gland (C2) • Discuss the etiology, pathophysiology, clinical manifestations, diagnostic measures, medical, surgical and nursing management for diabetes mellitus (C2) • Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures, medical, surgical and nursing management for diabetes insipidus (C2) • Identify the etiology, pathophysiology, clinical manifestations, diagnostic measures medical, surgical and nursing management for adrenal tumour (C2) • Recognize the etiology, pathophysiology, clinical manifestations and diagnostic measures, medical,	10

	surgical and nursing management for pituitary disorders (C1)	
Unit 9: Management of patients (adults including elderly) with disorders of integumentary system		
• Anatomy and physiology of skin and its appendages, • Nursing assessment, Etiology, pathophysiology, clinical manifestations, diagnostic measures, medical, surgical and nursing management of lesions and abrasions, allergies and eczema, infection and infestations, dermatitis dermatoses; infectious and non-infectious inflammatory dermatoses, acne vulgaris, alopecia, psoriasis and malignant melanoma.	• Recall the anatomy and physiology of skin and its appendages (C1) • Discuss the nursing assessment - history and physical assessment of integumentary system (C3) • Describe the etiology, pathophysiology, clinical manifestations and diagnostic measures, medical, surgical and nursing management for lesions and abrasions, allergies and eczema(C2) • Explain the etiology, pathophysiology, clinical manifestations, diagnostic measures, medical, surgical and nursing management for infection and infestations, dermatitis, dermatoses, infectious and non-infectious inflammatory dermatoses(C2) • Discuss the etiology, pathophysiology, clinical manifestations, diagnostic measures, medical, surgical and nursing management for acne vulgaris and alopecia (C2) • Explain the etiology, pathophysiology, clinical manifestations, diagnostic measures, medical, surgical and nursing management for psoriasis and malignant melanoma (C2)	10
Unit 10: Management of patients (adults including elderly) with disorders of musculoskeletal system		
• Anatomy and physiology of musculoskeletal system, • Nursing assessment, • Etiology, pathophysiology, clinical manifestations, diagnostic measures and the management of disorders of muscles, ligaments and joints, disorders of bones, common congenital deformities of musculoskeletal system, disorders of spinal column, management of amputation and prosthesis.	• Review the anatomy and physiology of musculoskeletal system (C2) • Discuss the nursing assessment - history and physical assessment of musculoskeletal system (C2) • Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and the management of disorders of muscles, ligaments and joints – inflammation, infection, trauma (C2) • Explain the etiology, pathophysiology, clinical manifestations, diagnostic	15

	measures and the management of disorders of bones – inflammation, infection, dislocation, fracture, tumour, trauma, osteomalacia, osteoporosis, Paget’s disease (C3) • Express the etiology, pathophysiology, clinical manifestations, diagnostic measures and the management of common congenital deformities of musculoskeletal system (C2) • Identify the etiology, pathophysiology, clinical manifestations, diagnostic measures and the management of disorders of spinal column – defects and deformities, tumour, prolapsed intervertebral disc, pott’s spine (C3) • Discuss the nursing management for patients after amputation and prosthesis (C2)	
Unit 11: Management of patients (adults including elderly) with immunological problems		
• Review of immune system, • Nursing assessment, • Etiology, pathophysiology, clinical manifestations, diagnostic measures and the management of - phagocytic dysfunction - immunodeficiency disorder, primary immunodeficiency, B cell and T cell deficiencies and secondary immune deficiencies, HIV and AIDS, - National AIDS Control Programme-NACO, various national and international agencies, - Infection control program and rehabilitation.	• Review the immune system (C2) • Discuss the nursing assessment - history and physical assessment of immune system (C2) • Explain the etiology, pathophysiology, clinical manifestations, diagnostic measures and the management of phagocytic dysfunction (C2) • Express the etiology, pathophysiology, clinical manifestations, diagnostic measures and the management of immunodeficiency disorder, primary immunodeficiency, B cell and T cell deficiencies and secondary immune deficiencies (C2) • Discuss the etiology, pathophysiology, clinical manifestations, diagnostic measures and the management of HIV and AIDS (C2) • Describe National AIDS Control Programme-NACO, various national and international agencies, Infection control program and rehabilitation (C2)	10

Unit 12: Management of patients (adults including elderly) with communicable diseases		
• Infectious disease and the infectious process, • Nursing and physical assessment of communicable disease, • Epidemiology, infectious process, clinical manifestations, diagnosis, treatment, prevention, control and eradication of respiratory infections small pox, chickenpox, measles, mumps, influenza, diphtheria, pertussis, meningitis, tuberculosis), intestinal infections (poliomyelitis, hepatitis A to E, diarrheal diseases and typhoid) • Arthropod borne infections, (dengue, malaria and filariasis) Zoonoses (yellow fever and plague), surface infections (leprosy, tetanus, HIV, AIDS and herpes), • Gas gangrene and reproductive tract infections, • Special infection control measures: notification, isolation, quarantine, immunization, infectious disease hospitals.	• Review the infectious disease and the infectious process (C2) • Discuss the nursing assessment - history and physical assessment related to communicable diseases (C2) • Explain the epidemiology, infectious process, clinical manifestations, diagnosis, treatment, prevention, control and eradication of respiratory infections (C2) • Identify the epidemiology, infectious process, clinical manifestations, diagnosis, treatment, prevention, control and eradication of intestinal infections (C2) • Express the epidemiology, infectious process, clinical manifestations, diagnosis, treatment, prevention, control and eradication of arthropod borne infections (C2) • Discuss the epidemiology, infectious process, clinical manifestations, diagnosis, treatment, prevention, control and eradication of zoonoses (C2) • Explain the epidemiology, infectious process, clinical manifestations, diagnosis, treatment, prevention, control and eradication of surface infections (C2) • Identify the epidemiology, infectious process, clinical manifestations, diagnosis, treatment, prevention, control and eradication of gas gangrene and reproductive tract infections (C2) • Discuss the special infection control measures: notification, isolation, quarantine, immunization, infectious disease hospitals (C2)	20
Unit 13: Peri Operative Nursing		
• Organization and physical set up of the Operation Theatre, • Classification, OT design, staffing, members of the OT team, duties and responsibilities of nurse, principles of health and operating room attire, instruments, sutures	• Describe the organization and physical set up of the Operation Theatre (OT) (C2) • Explain the classifications of operation theatre (C2) • Sketch the OT design (C3) • Recognize the staffing (C2) • List the members of the OT team (C1)	25

and suture materials and equipment's, • O.T. tables and sets for common surgical procedures, • Positions and draping for common surgical procedures, • Scrubbing procedures, gowning and gloving, monitoring the patient during surgical procedures, • Maintenance of therapeutic environment, • Standard safety measures, infection control, • Prevention of accidents and hazards, anaesthesia, • CPR • Pain management techniques and legal aspects of OT.	• Explain the duties and responsibilities of nurse in O.T.(C2) • Apply the principles of health and operating room attire (C3) • Identify instruments, sutures and suture materials and equipment's (C2) • Describe O.T. tables and sets for common surgical procedures (C2) • Describe positions and draping for common surgical procedures (C2) • Demonstrate scrubbing procedures, gowning and gloving (C3) • Explain preparation of O.T. Sets (C2) • Discuss monitoring the patient during surgical procedures (C2) • Describe the maintenance of therapeutic environment in O.T.(C2) • Employ standard safety measures (C3) • Practice infection control; fumigation, disinfection and sterilization and biomedical waste management (C3) • Discuss prevention of accidents and hazards in O.T. (C2) • Explain anaesthesia, types, methods of administration, effects and stages, equipment and drugs, drugs used in anaesthesia (C3) • Demonstrate Cardio Pulmonary Resuscitation (C3) • Describe pain management techniques (C2) • Discuss the legal aspects of OT (C2)	
Learning strategies, contact hours and student learning time		
<i>Learning strategy</i>	<i>Contact hours</i>	<i>Student learning time (Hrs)</i>
Lecture	210	420
Seminar	-	-
Small Group Discussion (SGD)	-	-
Self-directed learning (SDL)	-	-
Problem Based Learning (PBL)	-	-
Case Based Learning (CBL)	-	-
Clinic	-	-
Practical	-	-
Revision	08	20
Assessment	06	-
TOTAL	224	440

Assessment Methods:					
Formative:			Summative:		
Class tests/ Sessional examination					
Assignments			University examination		
Quiz					
Mapping of assessment with Cos					
Nature of assessment	CO 1	CO 2	CO 3	CO 4	CO 5
Sessional Examination 1	x		x		x
Sessional Examination 2		x	x	x	
Quiz	x	x	x	x	x
Assignment/Presentation	x	x	x	x	x
University Examination	x	x	x	x	x
Feedback Process	• Course feedback				
Reference Material	1. Lewis, S. L., Heitkemper, M. M., Dirksen, S. R., O'brien, P. G., & Bucher, L. (2008). Medical Surgical Nursing; Assessment and Management of Clinical Problems. Missouri: Elsevier. 2. Joyce M black, Jane Hokanson Hawks. Medical surgical nursing, Clinical management for positive outcomes. 8th ed. 3. Smeltzer AC., Bare. BG. Brunner and Suddarth's Textbook of Medical Surgical Nursing. 10th edition. 4. Park, K. Park's Textbook of Preventive and Social medicine.18th ed. Jabalpur: Banarsidas Bhanot. 5. Potter P A, Perry A G. Fundamentals of nursing 8th edition.				

Name of the Institution / Department:

Manipal College of Nursing Manipal, Medical Surgical Nursing

Name of the Program:		Second year BSc Nursing					
Course Title:		Medical Surgical Nursing I (Practical)					
Course Code: BSN203		Course Instructor:					
Academic Year: 2020-2021		Semester/ Year: Second Year					
No of Hours: 720		Prerequisites: Nil					
Synopsis:	This course is designed to help the students to acquire knowledge and develop proficiency in caring for patients with medical and surgical disorders in varieties of health care settings and at home						
Course Outcomes (COs):		On successful completion of this course, students will be able to:					
CO 1:		Demonstrate nursing care to adult patients with medical disorders					
CO 2:		Perform pre and post-operative nursing care to adult patients undergoing surgical procedures					
CO 3:		Demonstrate nursing care to patients with cardiac problems					
CO 4:		Identify skin problems, and care patients with skin disorders and communicable diseases					
CO 5:		Perform nursing care to adult patients with musculoskeletal disorders/deformities/diseases					
CO 6:		Assist in anaesthesia and in operative procedures					
CO 7:		Identify instruments used in common operations					
CO 8:		Display infection control practices in operation theatre					
CO 9:		Demonstrate the skills in common nursing procedures.					
Mapping of COs to POs							
<i>COs</i>	<i>PO 1</i>	<i>PO 2</i>	<i>PO 3</i>	<i>PO 4</i>	<i>PO 5</i>	<i>PO 6</i>	<i>PO 7</i>
CO 1	x	x	x	x		x	x
CO 2	x	x	x	x		x	x
CO 3	x	x	x	x		x	x
CO 4	x	x	x			x	x
CO 5	x	x	x				x
CO 6	x	x	x				
CO 7	x	x	x				
CO 8	x	x	x			x	
CO 9	x	x	x	x		x	
Course content and outcomes:							
<i>Content</i>			<i>Competencies</i>				<i>No of Hours</i>
Area of exposure: General Medical Wards							
Care of the patients with medical disorders			• Demonstrate assessment of the patient - history taking and physical examination (C3, P4, A2) • Identify alterations and deviations (C2, P3, A1) • Practice medical surgical asepsis-standard safety measures (C3, P4, A2)				144

	• Demonstrate skill in medications administration (oral, IV, IM, subcutaneous) and IV therapy (IV cannulation, maintenance and monitoring) and blood and component therapy (C3, P2, A2) • Perform oxygen therapy, nebulization, chest physiotherapy, nasogastric feeding, throat suctioning (C2, P3, A1) • Assist in common diagnostic and therapeutic procedures (C3, P2, A2) • Perform collection of specimens for common investigations (C2, P3, A1) • Demonstrate skill in catheterization, bowel wash, enema, urinary drainage (C3, P2, A2) • Demonstrate skill in maintaining intake, output and documentation (C3, P4, A2) • Perform counselling and teaching related to specific disease conditions (C2, P3, A1)	
Area of exposure: General Surgical Wards		
Care of the patients with surgical disorders	• Practice medical surgical asepsis-standard safety measures (C3, P4, A2) • Perform preoperative preparation of patients (C2, P3, A1) • Demonstrate skill in postoperative care-receiving patient, assessment, monitoring, care (C3, P3, A2) • Demonstrate skill in assisting in the care of wounds and drainage, suture removal and ostomy care (C3, P3, A2) • Demonstrate skill in nasogastric aspiration (C3, P3, A2) • Demonstrate skill in care of chest drainage (C2, P2, A1) • Assist the patient in ambulation and exercise (C3, P2, A2) • Demonstrate skill in blood and component therapy (C2, P2 A1)	144

Area of exposure: Cardiology wards		
Care of the patients with cardiac disorders	• Demonstrate physical examination of the cardiovascular system (C3, P4, A2) • Demonstrate recording and interpreting ECG (C2, P2, A1) • Perform patient monitoring (C2, P4, A2) • Prepare patients and assist for non-invasive and invasive diagnostic procedures (C2, P2, A1) • Demonstrate skill in administration of cardiac drugs (C2, P2, A1) • Demonstrate skill in adult CPR (C2, P2, A1) • Perform patient and family teaching (C2, P3, A2) • Practice medical surgical asepsis-standard safety measures (C3, P4, A2)	144
Area of exposure: Skin ward		
Care of the patients with skin disorders and communicable diseases	• Demonstrate assessment of patients with skin disorders (C3, P2, A1) • Assist in common diagnostic and therapeutic procedures (C2, P2, A1) • Demonstrate skill in topical medication administration and medicated bath (C3, P2, A1) • Perform counselling HIV positive patients (C2, P1, A1) • Perform teaching prevention of infectious diseases (C2, P2, A1) • Practice medical surgical asepsis-standard safety measures (C3, P4, A2)	16
Area of exposure: Orthopaedic ward		
Care of the patients with orthopaedic problems	• Demonstrate assessment of orthopaedic patients (C3, P4, A3) • Assist in application and removal of plaster cast and application and removal of prosthesis (C3, P2, A2) • Apply skin traction, buck's extension traction (C3, P2, A2) • Assist the physiotherapy – range of motion exercises (ROM), muscle strengthening exercises (C3, P2, A2)	128

	• Assist in crutch manoeuvrings technique, activities of daily living and ambulation (C3, P3, A2) • Perform patient and family teaching and counselling (C2, P3, A1)	
Area of exposure: Operation Theatre		
Care of the patients in the operation theatre	• Demonstrate skill in scrubbing, gowning, gloving procedures (C3, P4, A3) • Identify instruments, suturing materials for common operations (C2, P4, A2) • Demonstrate skill in disinfection, carbolization, fumigation (C3, P4, A3) • Prepare instrument sets for common operations (C3, P2, A1) • Assist sterilization of sharps and other instruments (C2, P2, A1) • Prepare the OT table depend upon the operation (C3, P3, A1) • Demonstrate skill in positioning and monitoring of patients (C3, P4, A3) • Assist in endotracheal intubation (C3, P2, A2) • Assist in minor and major operations (C3, P3, A2) • Demonstrate skill in handling specimens (C3, P4, A3) • Perform disposal of waste as per the guidelines (C2, P3, A1)	144
Learning strategies, contact hours and student learning time		
<i>Learning strategy</i>	<i>Contact hours</i>	<i>Student learning time (Hrs)</i>
Direct patient care	400	-
Clinical teaching	40	20
Self-directed learning	30	60
Nursing rounds	50	-
Case presentation	25	20
Ongoing evaluation	25	-
Procedure return demonstration	80	100
Drug presentation	20	50
Health education	10	40
Health assessment	10	20
Assisting for surgery	20	40
Case study	05	30
Model examination	05	20
Total	720	400

Assessment Methods:											
Formative:						Summative:					
Assignments											
Quiz						University examination					
Ongoing clinical evaluation											
Model Practical Examination											
Mapping of assessment with Cos											
Nature of assessment	CO 1	CO 2	CO 3	CO 4	CO 5	CO 6	CO 7	CO 8	CO 9		
Sessional Examination 1	-	-	-	-	-	-	-	-	-		
Sessional Examination 2	-	-	-	-	-	-	-	-	-		
Quiz	x	x	x	x	x	x	x	x	x		
Assignment/Presentation	x	x	x	x	x	x	x	x	x		
University Examination	x	x	x	x	x	x	x	x	x		
Laboratory examination	-	-	-	-	-	-	-	-	-		
Feedback Process	Course feedback										
Reference Material	- Lewis, S. L., Heitkemper, M. M., Dirksen, S. R., O'brien, P. G., & Bucher, L. (2008). Medical Surgical Nursing; Assessment and Management of Clinical Problems. Missouri: Elsevier. - Joyce M black, Jane Hokanson Hawks. Medical surgical nursing, Clinical management for positive outcomes. 8th ed. - Smeltzer AC., Bare. BG. Brunner and Suddarth's Textbook of Medical Surgical Nursing. 10th edition. - Park, K. Park's Textbook of Preventive and Social medicine.18th ed. Jabalpur: BanarsidasBhanot. - Potter P A, Perry A G. Fundamentals of nursing 8th edition.										

Assessment Mapping

Topics/Unit	Competency level	Impact	Frequency	I X F	Weightage	Marks	Set 1			Set 2			Set 3			Set 4			Set 5		
							Essay	SN	MCQ	Essay	SN	MCQ	Essay	SN	MCQ	Essay	SN	MCQ	Essay	SN	MCQ
Introduction, Common signs and symptoms and management	C1,C2,C3	2	2	4	0.086	6.45 (6)		5	1		5	1		5	1		5	1		5	1
Nursing management of patient (adults including elderly) with respiratory problems/ cardiac problems	C1,C2,C3	3	3	9	0.195	14.625 (15)	12		3	12		3	12		3	12		3	12		3
Nursing management of patient (adults including elderly) with disorders of digestive system/ musculoskeletal system	C1,C2,C3	3	3	9	0.195	14.625 (15)	13		2	13		2	13		2	13		2	13		2
Nursing management of patient (adults including elderly) with genito- urinary problems and male reproductive system problems	C1,C2,C3	2	3	6	0.13	9.75(10)		10	2		5	3		10	2		5	3		10	2
Nursing management of patient (adult including elderly) with disorders of endocrine system	C1,C2,C3	2	3	6	0.13	9.75(10)		5	3		10	2		5	3		10	2		5	3
Nursing management of patient (adults including elderly)with disorders of integumentary system and immunological problems	C1,C2,C3	2	2	4	0.086	6.45 (6)		5	1		5	1		5	1		5	1		5	1
Nursing management of patient (adults including elderly) with communicable diseases	C1,C2	2	1	2	0.04	3 (3)			2			2			2			2			2
Peri-operative nursing	C1,C2,C3	2	3	6	0.13	9.75(10)		10	1		10	1		10	1		10	1		10	1
Total				46	1	75	25	35	15	25	35	15	25	35	15	25	35	15	25	35	15
						Total No	2	7	15	2	7	15	2	7	15	2	7	15	2	7	15

Summary	Impact	Frequency
Essay 1x13=13 marks, 1x12=12 marks Total=25 marks	1=Nice to know	1=Rarely
Short note 7x5= 35 marks	2=Need to know	2=Relatively common
MCQ 15x1=15 marks	3=Must know	3=very common
Total: 75 marks		

Name of the Institution / Department:

Manipal College of Nursing Manipal, Medical Surgical Nursing

Name of the Program:		B.Sc. Nursing					
Course Title:		Pharmacology, Pathology and Genetics Section A: Pharmacology					
Course Code: BSN 204		Course Instructor:					
Academic Year: 2020-2021		Semester/ Year: Second Year					
No of Hours: 45		Prerequisites: Nil					
Synopsis:	This course is designed to help the students to acquire knowledge regarding pharmacodynamics, pharmacokinetics, and principles of therapeutics and nursing responsibilities during administration of medications. To provide fundamental knowledge regarding various medications used in treatment of different disease conditions and help the students apply best practice in supervised clinical setting.						
Course Outcomes (COs):		On successful completion of this course, students will be able to:					
CO 1:		Describe pharmacodynamics and pharmacokinetics					
CO 2:		Explain the principles and routes of drug administration					
CO 3:		Calculate the dosage of drugs					
CO 4:		Apply the principles of chemotherapy in specific diseases/infections					
CO 5:		Describe antiseptics, disinfectants, insecticides					
CO 6:		Discuss the different drugs action on various body systems and nurses' responsibilities.					
CO 7:		Describe the common drugs used in the alternative system of medicine					
Mapping of COs to POs							
<i>COs</i>	<i>PO 1</i>	<i>PO 2</i>	<i>PO 3</i>	<i>PO 4</i>	<i>PO 5</i>	<i>PO 6</i>	<i>PO 7</i>
CO 1	x						
CO 2	x	x					
CO 3	x	x					
CO 4	x	x					
CO 5	x	x					
CO 6	x	x					
CO 7	x	x					
Course content and outcomes:							
<i>Content</i>		<i>Competencies</i>					<i>No of Hours</i>
Unit 1: Introduction							
History and Nature of the Drug, Definitions, Sources, Classification, Pharmacodynamics, Pharmacokinetics, Routes and Principles of administration of drugs, and Indian pharmacopoeia		- Describe the history, sources and nature of the drug (C2) - Define terminologies used in pharmacology (C2) - Classify the drugs (C2) - Explain the pharmacodynamics: therapeutic actions, adverse/toxic effects (C2) - Explain the pharmacokinetics: absorption, distribution, metabolism, interaction, and excretion (C2)					4

	- Review the routes and principles of administration of drugs (C2) - Describe the Indian pharmacopoeia: Legal issues (C2) - Explain the principles of therapeutics (C2)	
Unit 2: Calculation of Dosage of Drugs		
Metric System, Apothecary's table of equivalents, Abbreviations, Calculation of dosage, and Preparation of solution	- Review the metric system (C2) - Review the apothecary's table of equivalents (C2) - Recall the common abbreviation used (C2) - Calculate the dosage of drug (C4) - Explain the preparation of solution (C2)	1
Unit 3: Chemotherapy of specific infections and infestations		
Penicillin, Cephalosporin's, Aminoglycosides, Sulphonamides, Quinolones, Antamoebic, Antimalarial, Anthelmintic, Antiscabies agents, Antiviral & anti-fungal agents, Antitubercular drugs, Anti-leprosy drugs, Anticancer drugs, and Immunosuppressants	- Apply the knowledge of composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, and toxicity of commonly used drugs (C3) - Apply the knowledge of composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, and toxicity of commonly used drugs (C3) - Discuss the role of nurse in administration of these drugs (C2)	5
Unit 4: Antiseptics, disinfectants, insecticides		
Antiseptics, Disinfectants, Insecticides, and Nurse's responsibilities	- Apply the knowledge of composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, and toxicity of commonly used drugs (C3) - Distinguish between antiseptics and disinfectants (C2) - Discuss the role of nurse in the use of antiseptics and disinfectants (C2)	2
Unit 5: Drugs acting on Gastrointestinal system		
Antiemetic's, Emetics, Purgatives, Antacids, Cholinergic, Anticholinergics, Fluid and electrolyte therapy,	- List the drugs used in treating disorders of G.I. System (C2) - Apply the knowledge of composition, action, dosage, route, indications, contraindications, drug	3

Anti diarrhoeal, and Histamines	- interactions, side effects, adverse effects, and toxicity of drugs used in G.I system (C3) • Discuss the role of nurse in drugs used for the G.I system (C2)	
Unit 6: Drugs used on Respiratory Systems		
Antiasthmatics, Mucolytics, Decongestants, and Expectorants, Antitussives, Bronchodilators, Broncho constrictors, and Antihistamines	• List the drugs used in treating disorders of respiratory system (C2) • Apply the knowledge of composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, and toxicity of drugs used in respiratory system (C2) • Discuss the role of nurse in drugs used in the respiratory system (C3)	3
Unit 7: Drugs used on Musculoskeletal System		
Anti-inflammatory drugs, Muscle relaxants, and Nurse's responsibilities	• Identify the drugs used in musculoskeletal system (C3) • Apply the knowledge of composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, and toxicity of anti-inflammatory drugs, and muscle relaxants (C2) • Discuss the role of nurse in drugs used in the musculoskeletal system (C2)	1
Unit 8: Drugs used on Urinary System		
Diuretics, and antidiuretics, Urinary antiseptics Cholinergic and anticholinergics, Acidifiers and alkalanizers, and Nurse's responsibilities	• Identify the drugs used in the urinary system (C3) • Apply the knowledge of composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, and toxicity of drugs used in urinary system (C3) • Discuss the role of nurse in drugs used in the urinary system (C2)	3
Unit 9: Drugs used in de-addiction, emergency, deficiency of vitamins & minerals, for immunization and immuno- suppression		
Drugs used in de-addiction, CPR and emergency, Vitamins and minerals, Immunosuppressant's, Antidotes, Antivenom, Vaccines and sera	• Identify the drugs used in de-addiction, CPR and emergency (C3) • List vitamins and minerals (C4) • Identify immunosuppressant's (C3) • List antidotes and antivenom (C4) • Identify vaccines and sera (C3)	3

	• Discuss the role of nurse in administration of these drugs (C2)	
Unit 10: Drugs used on skin and mucous membranes		
Drugs used on skin and mucous membranes and nurse's responsibilities	• List the drugs used on skin and mucous membranes (C4) • Apply the knowledge of composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, and toxicity of drugs used on skin and mucous membranes (topical applications, eye, ear, nose, buccal cavity and antipruritic) (C3) • Discuss the role of nurse in administration of these drugs (C2)	2
Unit 11: Drugs used on Nervous System		
Analgesics and, Anaesthetics, Antipyretics, Hypnotics and Sedatives, Cholinergic and anti-cholinergics Opioids, non-opioids, tranquilizers, general & local anesthetics and Gases: oxygen, nitrous oxide, carbon-dioxide muscle relaxants, major tranquilizers, anti-psychotics, antidepressants, anticonvulsants, adrenergics, noradrenics, mood stabilizers, acetylcholine and stimulants	• Identify the drugs used in nervous system (C3) • Apply the knowledge of composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, and toxicity of drugs used in nervous system (analgesics, NSAID) (C3) • Apply the knowledge of composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, and toxicity of drugs used in nervous system (Opioids, non-opioids, tranquilizers, general & local anesthetics and Gases: oxygen, nitrous oxide, carbon-dioxide) (C3) • Apply the knowledge of composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, and toxicity of drugs used in nervous system (muscle relaxants, major tranquilizers, anti-psychotics, antidepressants, anticonvulsants, adrenergics, noradrenics, mood stabilizers, acetylcholine and stimulants) (C3) • Discuss the role of nurse in administration of drugs used in the nervous system (C2)	7
Unit 12: Drugs used on Cardiovascular System		
Haematinics, Cardiotonics, Anti	• Identify the drugs used in cardiovascular system (C3)	4

anginals, Anti-hypertensives & Vasodilators, Anti-arrhythmics, Plasma expanders, Coagulants & anticoagulants, Antiplatelets & thrombolytics and Hypolipidemics	• Apply the knowledge of composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, and toxicity of drugs used in cardiovascular system (C3) • Discuss the role of nurse in administration of drugs used in cardiovascular system (C2)	
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Unit 13: Drugs used for hormonal disorders and supplementation, contraception and medical termination of pregnancy

Insulins & Oral hypoglycemics, Thyroid supplements and suppressants, Steroids, Anabolics, Uterine stimulants and relaxants, Oral contraceptives, Other estrogen-progestrone preparations, Corticotrophins & Gonadotropins, Adrenaline, Prostaglandins, Calcitonin's, Calcium salts, and Calcium regulators	• Apply the knowledge of composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, and toxicity of drugs used for hormonal disorders and supplementation, contraception and medical termination of pregnancy (C3) • Discuss the role of nurse in administration of drugs used for hormonal disorders and supplementation, contraception and medical termination of pregnancy (C2)	6
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Unit 14: Drugs used in alternative system of medicine

Ayurveda, Homeopathy, Unani and Siddha	• Discuss the drugs used in alternative systems of medicine (C2) • Describe the alternative systems of medicine: ayurveda, homeopathy, unani and siddha etc (C2)	1
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Learning strategies, contact hours and student learning time

<i>Learning strategy</i>	<i>Contact hours</i>	<i>Student learning time (Hrs)</i>
Lecture	45	90
Seminar	-	-
Small Group Discussion (SGD)	-	-
Self-directed learning (SDL)	-	-
Problem Based Learning (PBL)	-	-
Case Based Learning (CBL)	01	02
Clinic	-	-
Practical	-	-
Revision	02	10
Assessment	03	-

TOTAL	51				102		
Assessment Methods:							
Formative:					Summative:		
Assignments					University examination		
Sessional examination							
Mapping of assessment with Cos							
Nature of assessment	CO 1	CO 2	CO 3	CO 4	CO 5	CO 6	CO 7
Sessional Examination 1	x	x	x				
Sessional Examination 2				x	x	x	
Assignment				x			
University Examination	x	x	x	x	x	x	
Feedback Process	● Course Feedback						
Reference Material	1. Tara Shanbhag, Smitha Shenoy, and Veena Nayak. Textbook of Pharmacology for Nurses. 2nd Edition, Elsevier Publisher India. July 2016.						

Assessment Mapping

Topics/Unit	Competency level	Impact	Frequency	I X F	Weightage	Marks	Set 1			Set 2			Set 3			Set 4			Set 5		
							SA(2)	SN(3)	MCQ	SA(2)	SN(3)	MCQ	SA(2)	SN(3)	MCQ	SA(2)	SN(3)	MCQ	SA(2)	SN(3)	MCQ
Introduction	C1, C2, C3, C4	2	2	4	0.042	1.59	1		1	1		1	1		1	1		1	1		1
Calculation of Dosage of Drugs	C1, C2, C3, C4	3	3	9	0.095	3.61			1			1			1			1			1
Chemotherapy of specific infections	C1, C2, C3, C4	3	3	9	0.095	3.61		1	2		1	2		1	2		1	2		1	2
Antiseptics, disinfectants, insecticides	C1, C2, C3, C4	2	3	6	0.063	2.39			1			1			1			1			1
Drugs acting on Gastro Intestinal system	C1, C2, C3, C4	3	3	9	0.095	3.61	1		1	1		1	1		1	1		1	1		1
Drugs used on Respiratory Systems	C1, C2, C3, C4	3	3	9	0.095	3.61		1	1		1	1		1	1		1	1		1	1
Drugs used on Musculoskeletal System	C1, C2, C3, C4	3	2	6	0.063	2.39	1		1	1		1	1		1	1		1	1		1
Drugs used on Urinary System	C1, C2, C3, C4	3	2	6	0.063	2.39	1		1	1		1	1		1	1		1	1		1
Drugs used in de-addiction, emergency, deficiency of vitamins & minerals	C1, C2, C3, C4	3	3	9	0.095	3.61			1			1			1			1			1
Drugs used on skin and mucous membranes	C1, C2, C3, C4	2	2	4	0.042	1.59		1	1		1	1		1	1		1	1		1	1
Drugs used on Nervous System	C1, C2, C3, C4	3	3	9	0.095	3.61	1		1	1		1	1		1	1		1	1		1
Drugs used on Cardiovascular System	C1, C2, C3, C4	3	3	9	0.095	3.61	1		2	1		2	1		2	1		2	1		2
Drugs used for hormonal disorders and supplementation, contraception	C1, C2, C3, C4	2	2	4	0.042	1.59	1		1	1		1	1		1	1		1	1		1
Drugs used in alternative system of medicine	C1, C2, C3, C4	1	2	2	0.021	0.79															
Total				94		38	14	9	15	14	9	15	14	9	15	14	9	15	14	9	15

Summary	Impact	Frequency
Short answer 7x2=14 marks	1=Nice to know	1=Rarely
Short note 3x3= 9 marks	2=Need to know	2=Relatively common
MCQ 15x1=15 marks	3=Must know	3=very common
Total: 38 marks		

Name of the Institution / Department:

Manipal College of Nursing Manipal, Medical Surgical Nursing

Name of the Program:		B.Sc. Nursing					
Course Title:		Pharmacology, Pathology and Genetics, Section B: Pathology and Genetics					
Course Code: BSN204		Course Instructor:					
Academic Year: 2020-2021		Semester/ Year: Second Year					
No of Hours: 30+15		Prerequisites: Nil					
Synopsis:	This course is designed to help the students to acquire knowledge of pathology of various disease conditions and apply this knowledge in nursing practice. To acquire knowledge regarding genetics, its role in causation and management of defects and diseases.						
Course Outcomes (COs):		On successful completion of this course, students will be able to:					
CO 1:		Describe the diseases from normal to abnormal structure and functions of body systems.					
CO 2:		Explain pathological changes in disease conditions of various body system: respiratory, cardiovascular, gastrointestinal, urinary, reproductive, nervous and musculoskeletal.					
CO 3:		Interpret various laboratory investigations: blood, body cavity fluids, urine and faeces.					
CO 4:		Explain the basic concepts of genetics and its role in causation of defects and diseases.					
CO 5:		Describe the genetic tests used for neonates and children					
CO 6:		Discuss the genetic conditions of adolescents and adults					
CO 7:		Identify the services related to genetics					
Mapping of COs to POs							
<i>COs</i>	<i>PO 1</i>	<i>PO 2</i>	<i>PO 3</i>	<i>PO 4</i>	<i>PO 5</i>	<i>PO 6</i>	<i>PO 7</i>
CO 1	x						
CO 2	x	x					
CO 3	x	x					
CO 4	x	x					
CO 5	x	x					
CO 6	x	x					
CO 7	x	x					
Course content and outcomes:							
<i>Content</i>		<i>Competencies</i>				<i>No of Hours</i>	
Pathology							
Unit 1: Introduction							
Importance of the study of pathology, Definition of terms, Methods and techniques, Cellular and Tissue changes, Infiltration and regeneration, Normal and Cancer cell, Benign and Malignant growths, In situ		- State the importance of the study of pathology (C1) - Define terminologies related to pathology (C1) - Discuss the methods and techniques related to pathology (C2) - Describe cellular and tissue changes (C1)				3	

carcinoma, Inflammations and Infections, Wound healing, Vascular changes, and Disturbances of fluid and electrolyte imbalance	• Explain infiltration, regeneration, inflammations, infections, wound healing and vascular changes (C2) • Describe about cellular growth and neoplasm: normal and cancer cell, benign and malignant growths, and in situ carcinoma (C2) • Discuss the disturbances of fluid and electrolyte imbalance (C2)	
Unit 2: Pathological changes in disease conditions of various systems		
Pathological changes in disease conditions of various systems: Respiratory tract, Cardio-vascular system, Gastro-intestinal tract, Liver, Gall bladder & Pancreas, Kidneys & Urinary tract, Male genital systems, Female genital system, Central Nervous system and Skeletal system	• Describe the pathological changes in disease conditions of respiratory system (C2) • Explain the pathological changes in disease conditions of cardiovascular system (C2) • Describe the pathological changes in disease conditions of gastrointestinal tract (C2) • Discuss the pathological changes in disease conditions of liver, gall bladder and pancreas (C2) • Explain the pathological changes in disease conditions of kidney and urinary tracts (C2) • Describe the pathological changes in disease conditions of male and female genital systems (C2) • Explain the pathological changes of cancer breast (C2) • Describe the pathological changes in disease conditions of central nervous system (C2) • Discuss the pathological changes in disease conditions of skeletal system (C2)	15
Unit 3: Various laboratory tests in assessment and monitoring of disease conditions		
Hemoglobin, RBC, White Blood Cell (WBC) & platelet counts, Bleeding time, clotting time and prothrombine time, Blood grouping and cross matching, Blood chemistry, Blood culture, Serological and immunological tests, and Examination of Bone marrow	• Discuss various blood and bone marrow tests in assessment and monitoring of disease conditions (C2) • Define haemoglobin (C2) • Describe about RBC, White Blood Cell (WBC) & platelet counts (C2) • Explain about bleeding time, clotting time and prothrombin time (C2) • Discuss the blood grouping and cross matching (C2)	7

	- Describe the blood chemistry, blood culture, serological and immunological tests (C2) - Explain the examination of bone marrow (C2) - Discuss the methods of collection of blood specimen for various clinical pathology, biochemistry, microbiology tests, inference and normal values (C2)	
Unit 4: Laboratory tests for examination of body cavity fluids, transudates and exudates		
The laboratories tests used in CSF analysis, Examination of other body cavity fluids, transudates and exudates – sputum, wound discharge etc., Analysis of gastric and duodenal contents, Analysis of semen-sperm count, motility and morphology and their importance in infertility	- Explain the examination of body cavity fluids, transudates and exudates (C2) - Identify the laboratories tests used in CSF analysis (C2) - Describe the examination of other body cavity fluids, transudates and exudates – sputum, wound discharge (C2) - Discuss the analysis of gastric and duodenal contents (C2) - Explain the analysis of semen-sperm count, motility and morphology and their importance in infertility (C2) - Describe the methods of collection of CSF and other cavity fluids specimen for various clinical pathology, biochemistry, microbiology tests, inference and normal values (C2)	3
Unit 5: Laboratory tests for examination of Urine and faeces		
Examination of urine and stool, methods of collection for various tests	- Describe the physical characteristics, analysis, culture and sensitivity of urine (C2) - Discuss the characteristics of faeces (C2) - Explain the stool examination: Occult blood, ova, parasite and cyst, reducing substance etc. (C2) - Describe the methods of collection for various tests, inference and normal values (C2)	2
Genetics		
Unit 1: Nature, principles and perspectives of heredity		
Practical application of genetics in Nursing, Impact of genetic condition on families, Review of cellular	- Describe the application of genetics in nursing (C2) - State the impact of genetic condition on families (C1)	3

division mitosis and meiosis, Characteristics and structure of genes, Chromosomes – sex determination, Chromosomal aberrations Patterns of inheritance	• Review of cellular division mitosis and meiosis (C2) • Describe the characteristics and structure of genes (C2) • Discuss chromosomes – sex determination (C2) • Explain chromosomal aberrations patterns of inheritance: Mendelian theory of inheritance, multiple allots and blood groups, sex linked inheritance, mechanism of inheritance and errors in transmission (mutation) (C2)	
Unit 2: Maternal, prenatal and genetic influences on development of defects and diseases		
Consanguinity atopy, Prenatal nutrition and food allergies, Maternal age, Maternal drug therapy, Prenatal testing and diagnosis, Effect of radiation, drugs and chemicals, Infertility, Spontaneous abortion, neural tube defects and Down syndrome	• Explain the maternal, prenatal and genetic influences on development of defects and diseases (C2) • Describe the genetic conditions and infections affecting the mother (C2) • Describe prenatal nutrition and food allergies (C2) • Discuss maternal drug therapy (C2) • Explain prenatal testing and diagnosis (C2) • Describe the effect of radiation, drugs and chemicals (C2) • Define infertility (C1) • Define spontaneous abortion (C1) • Explain the neural tube defects and the role of folic acid in lowering the risks (C2) • Describe down syndrome (Trisomy 21) (C2)	3
Unit 3: Screening methods for genetic defects and diseases in neonates and children		
Screening for Congenital abnormalities, Developmental delay, and Dysmorphism	• Describe the genetic testing in the neonates and children (C2) • Explain the screening procedures for congenital abnormalities, developmental delay, and dysmorphism (C2)	2
Unit 4: Genetic disorders in adolescents and adults		
Cancer genetics – Familial Cancer, Inborn errors of metabolism, Blood group alleles and haematological disorder, Genetic	• Describe the genetic conditions of adolescents and adults (C2) • Explain the inborn errors of metabolism (C2)	2

haemochromatosis, Huntington's disease, and Mental illness	- Describe blood group alleles and hematological disorder (C2) - Define genetic haemochromatosis (C2) - Explain Huntington's disease (C2) - Discuss the role of genetics in mental illness (C2)						
Unit 5: Role of nurse in genetic services and counselling							
Genetic testing, Human genome project, Gene therapy, The Eugenics movement, Genetic Counselling, Legal and Ethical issues Role of nurse	- Describe the role of nurse in genetic services and counselling (C2) - Define genetic testing (C1) - Explain human genome project (C2) - Describe the gene therapy (C2) - Discuss the eugenics movement (C2) - Explain the genetic counselling legal and ethical issues (C2)	5					
Learning strategies, contact hours and student learning time							
Learning strategy	Contact hours	Student learning time (Hrs)					
Lecture	45	90					
Seminar	-	-					
Small Group Discussion (SGD)	-	-					
Self-directed learning (SDL)	-	-					
Problem Based Learning (PBL)	-	-					
Case Based Learning (CBL)	-	-					
Clinic	-	-					
Practical	-	-					
Revision	02	10					
Assessment	03	-					
TOTAL	50	100					
Assessment Methods:							
Formative:		Summative:					
Assignment		University examination					
Sessional examination							
Mapping of assessment with Cos							
Nature of assessment	CO 1	CO 2	CO 3	CO 4	CO 5	CO 6	CO 7
Sessional Examination 1	x	x	x				
Sessional Examination 2				x	x	x	x
Assignment		x					
University Examination	x	x	x	x	x	x	x
Feedback Process	Course Feedback						
Reference Material	- Harsh Mohan. Textbook of Pathology. 7th Edition, Jaypee Publisher. India - Sonal Sharma, Geetika Khanna and Suresh Gangane. Textbook of Pathology and Genetics for Nurses, 1st edition. Elsevier Publisher. India						

Assessment Mapping

Topics/Unit	Competency level	Impact	Frequency	I X F	Weightage	Marks	Set 1			Set 2			Set 3			Set 4			Set 5		
							SA(2)	SN(3)	MCQ	SA(2)	SN(3)	MCQ	SA(2)	SN(3)	MCQ	SA(2)	SN(3)	MCQ	SA(2)	SN(3)	MCQ
Section - A Pathology																					
Introduction	C1, C2	2	2	4	0.057	2.1	1	1		1	1		1	1		1	1		1	1	
Disease conditions of various systems	C1, C2	3	3	9	0.128	4.73	2	2	5	2	2	5	2	2	5	2	2	5	2	2	5
Various laboratory tests in assessment of disease	C1, C2	3	3	9	0.128	4.73			2			2			2			2			2
Examination of body cavity fluids, exudates	C1, C2	3	3	9	0.128	4.73			2			2			2			2			2
Examination of Urine and faeces	C1, C2	3	3	9	0.128	4.73			1			1			1			1			1
Section - B Genetics																					
Nature, principles and perspectives of heredity	C1, C2	2	2	4	0.057	2.1			1			1			1			1			1
Maternal, prenatal and genetic influences	C1, C2	3	3	9	0.128	4.73			1			1			1			1			1
Screening methods for genetic defects and diseases	C1, C2	2	2	4	0.057	2.1	1		1	1		1	1		1	1		1	1		1
Genetic disorders in adolescents and adults	C1, C2	2	2	4	0.057	2.1			1			1			1			1			1
Role of nurse in genetic services and counselling	C1, C2	3	3	9	0.128	4.73	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Total				70		37	10	12	15	10	12	15	10	12	15	10	12	15	10	12	15

Summary	Impact	Frequency
Short answer 5x2=10 marks	1=Nice to know	1=Rarely
Short note 3x4= 12 marks	2=Need to know	2=Relatively common
MCQ 15x1=15 marks	3=Must know	3=very common
Total: 37 marks		

Name of the Institution / Department:

Manipal College of Nursing Manipal, Community Health Nursing

Name of the Program:		B.Sc. Nursing					
Course Title:		Community Health Nursing-I					
Course Code: BSN205		Course Instructor:					
Academic Year: 2020-2021		Semester: Second Year					
Theory Hours: 90		Prerequisites: Students have some prior knowledge on family, community, environment, disease causation and management, population explosion and control.					
Practical Hours: 135		Prerequisites: Students have prior knowledge on family, community, environment, disease causation and management.					
Synopsis: (Theory)	This course is designed to help the students to appreciate the principles of promotion and maintenance of health.						
Synopsis: (Practical)	This course is designed to help the students to appreciate the principles of community health nursing and health and illness at individual, family and community.						
Course Outcomes (COs):		On successful completion of this course, students will be able to:					
CO 1:		Describe the concepts of Community health nursing					
CO 2:		Explain the determinants of health					
CO 3:		Discuss the epidemiology and management of communicable & non-communicable diseases					
CO 4:		Interpret the demographic data & control measures of population explosion					
CO 5:		Provide comprehensive nursing care based on the identified health needs of an individual and family					
Mapping of COs to POs							
COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
CO 1	x						
CO 2	x		x				
CO 3	x	x	x			x	
CO 4	x	x	x			x	
CO 5	x	x	x	x		x	x
Course content and outcomes(Theory):							
Content			Competencies				No of Hours
Unit 1: Introduction							
- Community health nursing - Definition, concept and dimensions of health - Promotion of health - Maintenance of health			- Define Community Health Nursing(C1) - Describe the concepts, aims, objectives, goals, scope and principles (C2) - Discuss the dimensions of health(C2) - Explain the promotion and maintenance of health(C2)				2

Unit 2: Determinants of health		
• Eugenics • Environment: ❑ Physical: Air, Light, Ventilation, Water, Housing, Sanitation, Disposal of waste, Disposal of dead bodies, Forestation, Noise, Climate, Communication: Infrastructure Facilities and Linkages ❑ Acts regulating the environment: National Pollution control board ❑ Bacterial & Viral: Agents, host carriers and immunity ❑ Arthropods and Rodents • Food hygiene: Production, Preservation, Purchase, Preparation, Consumption • Acts regulating food hygiene Prevention of food adulteration act, Drugs and cosmetic act • Socio-cultural ❑ Customs, taboos ❑ Marriage system ❑ Family structure ❑ Status of special groups; Females, Children, Elderly, Challenged groups and sick persons • Life Style • Hygiene • Physical activity ❑ Recreation and sleep ❑ Sexual life ❑ Spiritual life philosophy ❑ Self-reliance ❑ Dietary pattern ❑ Education ❑ Occupation • Financial Management ❑ Income ❑ Budget ❑ Purchasing power ❑ Security	• Define eugenics(C1) • Define environment(C1) • Appraise eugenics and physical environment as determinants of health (C2) • Discuss physical environment (air, light, ventilation, housing, water, noise) as determinants of health (C2) • Illustrate sanitation, disposal of waste and dead bodies(C3) • Explain forestation and climate (C2) • Identify the communication, types, process, infrastructure and barriers (C2) • Describe the acts regulating environment: National pollution control board(C2) • Explain bacterial, viral, arthropods & rodents: Agents, host carriers & immunity (C2) • Illustrate food hygiene (production, preservation, purchase, preparation, consumption and acts regulating food hygiene (C3) • Explain drugs and cosmetic act(C2) • Describe socio-cultural aspects (customs, taboos, life style, hygiene, physical activity (recreation & sleep, sexual life, spiritual life, self-reliance, diet, education, occupation and financial management (Income, budget, purchasing power, security) (C2) • Discuss marriage and family structure(C2) • Explain the status of special groups: Females, children, elderly, challenged groups, sick persons (C2)	20

Unit 3: Epidemiology		
• Definition, concept, aims, scope, uses and terminology used in epidemiology • Dynamics of disease transmission: epidemiological triad • Morbidity and mortality: measurements • Levels of prevention • Methods of epidemiology of ❑ Descriptive ❑ Analytical: Epidemic investigation ❑ Experimental	• Define epidemiology and terminologies used in epidemiology(C1) • Explain concept, aims, scope and uses(C2) • Discuss dynamics of disease transmission (C2) • Illustrate natural history of disease (C2) • Explain morbidity and mortality measurements (C2) • Explain levels of prevention (C2) • Discuss the methods of epidemiology (C2) • Descriptive ❑ Analytical: Epidemic investigation-case-control study ❑ Analytical: Epidemic Investigation ❑ Experimental investigation	10
Unit 4: Epidemiology and nursing management of communicable diseases		
Respiratory infections ❑ Small Pox ❑ Chicken Pox ❑ Measles ❑ Influenza ❑ Rubella ❑ ARI's & Pneumonia ❑ Mumps ❑ Diphtheria ❑ Whooping cough ❑ Meningococcal meningitis ❑ Tuberculosis ❑ SARS Intestinal Infections ❑ Poliomyelitis ❑ Viral Hepatitis ❑ Cholera ❑ Diarrhoeal diseases ❑ Typhoid Fever ❑ Food poisoning ❑ Amoebiasis ❑ Hook worm infection ❑ Ascariasis ❑ Dracunculiasis	• Discuss epidemiology and nursing management of communicable diseases (C2) • Explain epidemiology and nursing management of respiratory infections(C2) • Discuss epidemiology and nursing management of intestinal infections(C2)	25

Arthropod infections ☐ Dengue ☐ Malaria ☐ Filariasis Zoonoses Viral ☐ Rabies ☐ Yellow fever ☐ Japanese encephalitis ☐ Kyasnur Forest Disease Bacterial ☐ Brucellosis ☐ Plague ☐ Human Salmonellosis ☐ Anthrax ☐ Leptospirosis Rickettsial diseases ☐ Rickettsia Zoonoses ☐ Scrub typhus ☐ Murine typhus ☐ Tick typhus ☐ Q fever Parasitic Zoonoses ☐ Taeniasis ☐ Hydatid disease ☐ Leishmaniasis Surface infection ☐ Trachoma ☐ Tetanus ☐ Leprosy ☐ STD & RTI ☐ Yaws ☐ HIV/AIDS Any other	• Explain epidemiology and nursing management of arthropod infections (C2) • Explain epidemiology and nursing management of viral, bacterial rickettsia and parasitic zoonoses (C2) • Discuss epidemiology and nursing management of surface infections(C2)	
Unit 5: Epidemiology and nursing management of non-communicable diseases		
• Malnutrition: under nutrition, over nutrition, nutritional deficiencies • Anaemia • Hypertension • Stroke • Rheumatic Heart Disease • Coronary Heart Disease • Cancer • Diabetes mellitus	• Discuss the epidemiology, risk factors, prevention, control and nursing management of non-communicable diseases (C2)	10

• Blindness • Accidents • Mental illness • Obesity • Iodine Deficiency Disorder • Fluorosis • Epilepsy		
Unit 6: Demography		
• Definition, concept and scope • Methods of collection, analysis and interpretation of demographic data • Demographic rates and ratios	• Define demography(C1) • Explain concept, scope and stages of demographic cycle(C2) • Describe methods of collection of demographic data(C2) • Explain the methods of analysis (C2) • Interpret the demographic data (C3) • Illustrate demographic rates& ratios (C3)	6
Unit 7: Population explosion and its control		
• Population explosion and its impact on social, economic development of individual, society and country • Population control: ❑ Overall development: Women empowerment, social, economic and educational development • Limiting family size: ❑ Promotion of small family norm ❑ Methods: spacing (natural, biological, chemical, mechanical methods etc.) ❑ Terminal: Surgical methods - Emergency contraception	• Describe population explosion and its impact on social, economic development of individual (C2) • Explain impact of population explosion on Economic, Society and country(C2) • Discuss population control: Overall development, women empowerment(C2) • Discuss on limiting family size: promotion of small family norm(C2) • Describe the family planning methods-spacing, natural method(C2) • Explain biological family planning methods (C2) • Describe chemical family planning methods (C2) • Discuss hormonal family planning methods (C2) • Explain miscellaneous methods of family planning (C2) • Identify the terminal methods of family planning (C2) • Describe the procedures and guidelines for terminal methods (C2) • Discuss emergency contraception (C2)	17

Learning strategy(Theory)	Contact hours	Student learning time (Hrs)
Lecture	75	150
Role play	02	04
Small Group Discussion (SGD)	02	04
Revision	05	10
Assessment	06	12
TOTAL	90	180

Assessment Methods(Theory):

Formative:

Unit Test and Two sessional examination

Assignment

Summative:

University Examination

Mapping of assessment with Cos

Nature of assessment	CO 1	CO 2	CO 3	CO 4	CO 5
Sessional Examination 1	x	x	x		
Sessional Examination 2			x	x	x
Assignment/Presentation		x	x	x	x
University Examination	x	x	x	x	x
Laboratory examination	-	-	-	-	-

Course content and outcomes(Practical):

Content	Competencies	No of Hours
Urban/rural posting Use techniques of interpersonal relationship	Demonstrate the techniques of interpersonal relationship with individual and community people(C3,A3,P2)	135
Urban/rural posting Identification of health determinants of community	Identify the health determinants of community (C3, A3, P1)	
Urban/rural posting - History taking - Physical examination - Bag technique - Temperature technique - Counsel and teach individual, family and community (Individual and group health education) -Nutrition -Hygiene -Self health monitoring -Seeking health services	- Collect history in the assigned families (C3, A3, P2) - Demonstrate skill in performing physical examination (C3, A3, P3) - Demonstrate skill in performing bag technique (C3, A3, P3) - Perform health education and counselling in the community (C3, A5, P4)	

-Healthy life style -Family welfare methods -Health promotion • Observation visit: Leprosy clinic, Tuberculosis clinic, Blind school, Milk plant, Water purification, Oxidation pond, Sewage treatment plant, Incineration, Food hygiene	• Outline the report of observation visit(C4,A3,P2)	
• Primary Health Centre • Collect specimens-sputum, malaria smear • Perform simple lab tests at centre-blood for haemoglobin and sugar, urine for albumin and sugar • Attend MCH clinic • Administer vaccines and medications to adults	• Demonstrate simple lab tests at centre-blood for haemoglobin and sugar, urine for albumin and sugar (C2, A3, P3) • Collect specimens-sputum, malaria smear (C3, A3, P3) • Take part in MCH clinic (C3, A3, P3) • Administer vaccines and medications to adults under supervision in the outpatient department (C3,A3,P3)	
Learning strategy(Practical)	Contact hours	Student learning time (Hrs)
Clinical teaching	8	16
Case discussion	7	14
Procedure demonstration	10	20
Practical hours	100	-
Assessment(Family case study, health education, family health record, OSCE)	10	20
TOTAL	135	70
Assessment Methods(Practical):		
Formative:		Summative:
Family case study	No University practical examination.	
Health education		
Family Health Record		
Clinical ongoing evaluation		
Practical weightage will be added to theory internal assessment marks		

Feedback Process	• Course Feedback
Reference Material	1. Park, K (2019). <i>Park's Text book of Social and Preventive Medicine</i>. Jabalpur. Banarsidas Bhanot. 2. Kumari, N., A (2011). <i>Text book of Community Health Nursing</i>. Jalandhar: PV books. 3. Gulani K.K. <i>Community Health Nursing Principles & Practice</i>. New Delhi: Kumar publishing house. 4. Kamalam, S (2005). <i>Essentials in Community Nursing Practice</i>. New Delhi: Jaypee Brothers. 5. Rao, K., S (2005). <i>An introduction to Community Health Nursing</i>. 4th edition. Chennai: BI Publication; 2005. 6. A Community Health Nursing manual by TNAI, New Delhi.

Assessment Mapping

Topics/Unit	Competency level	Impact	Frequency	I X F	Weightage	Marks	Set 1			Set 2			Set 3			Set 4			Set 5		
							Essay	SN	MCQ	Essay	SN	MCQ	Essay	SN	MCQ	Essay	SN	MCQ	Essay	SN	MCQ
Unit I: Introduction	C1,C2	1	1	1	0.029	2	0	0	2	0	0	2	0	0	2	0	0	2	0	0	2
Unit II: Determinants of health	C1,C2,C3	3	3	9	0.26	20	12	5	3	12	5	3	12	5	3	12	5	3	12	5	3
Unit III: Epidemiology	C1,C2	2	2	4	0.11	8	0	5	3	0	5	3	0	5	3	0	5	3	0	5	3
Unit IV: Epidemiology and nursing management of communicable diseases	C2	3	3	9	0.26	20	13	5	2	13	5	2	13	5	2	13	5	2	13	5	2
Unit V: Epidemiology and nursing management of non-communicable diseases	C2	2	2	4	0.11	8	0	5	3	0	5	3	0	5	3	0	5	3	0	5	3
UnitVI:Demography	C1, C2, C3	2	1	2	0.06	5	0	5	0	0	5	0	0	5	0	0	5	0	0	5	0
Unit VII: Population explosion and its control	C2	3	2	6	0.17	12	0	10	2	0	10	2	0	10	2	0	10	2	0	10	2
Total				35		75	25	35	15	25	35	15	25	35	15	25	35	15	25	35	15

Summary	Impact	Frequency
Essay (2): 1x12= 12 marks, 1x13=13 marks Total: 25 marks	1=Nice to know	1=Rarely
Short note 7x5= 35 marks	2=Need to know	2=Relatively common
MCQ 15x1=15 marks	3=Must know	3=very common
Total=75 marks		

Name of the Institution / Department:

Manipal College of Nursing Manipal, Community Health Nursing

Name of the Program:	B.Sc. Nursing
Course Title:	Communication and Educational Technology
Course Code: BSN206	Course Instructor:
Academic Year: 2020-2021	Year: Second Year
No of Hours: 60+30	Prerequisites: Students have previous knowledge on communication and interpersonal relationship and have experience in attending teaching sessions with use of various methods and medias.

Synopsis:	This course is designed 1. To help the students acquire an understanding of the principles and methods of communication and teaching. 2. It helps to develop skill in communicating effectively, maintaining effective interpersonal relations, planning curriculum and teaching individuals and groups in clinical, community and educational settings.
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Course Outcomes (COs):	On successful completion of this course, students will be able to:
CO 1:	Demonstrate effective human relation using effective communication and Interpersonal relationship skills in daily life and professional setting.
CO 2:	Demonstrate skill in providing guidance and counselling activities.
CO 3:	Prepare health education activities following principles and steps of health education
CO 4:	Explain the teaching sessions with an appropriate educational objectives, lesson plan and different methods and medias of teaching and learning with the help of available resources.
CO 5:	Prepare tools and instruments for the purpose of appraisal in class room and clinical setting.

Mapping of COs to POs							
COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
CO 1	x		x				
CO 2	x						
CO 3	x	x					
CO 4	x			x			
CO 5	x			x			

Course content and outcomes:		
Content	Competencies	No of Hours

Unit 1: Review of Communication Process		
• Process; elements and channel • Facilitators • Barriers and methods of overcoming • Techniques	• Explain the communication process; elements and channel (C2) • Describe the facilitators of communication (C1) • Discuss the barriers of communication and methods of overcoming them (C2).	3

	Identify techniques of communication (C3).	
Unit 2: Interpersonal Relations		
- Purpose & types - Phases - Barriers & methods of overcoming - Johari Window	- Describe the purpose & types of IPR (C1) - Explain the phases of IPR (C2) - identify the barriers & methods of overcoming (C3) - Describe the Johari Window (C2)	4
Unit 3: Human Relations		
- Understanding self - Social behavior, motivation, social attitudes - Individual and groups - Groups & individual - Human relations in context of nursing - Group dynamics - Teamwork	- Describe the concept of understanding self (C2) - Explain Social behavior, motivation, social attitudes (C2) - Describe Individual and groups (C1) - Describe groups & individual (C1) - Apply human relations in context of nursing (C3) - Explain the concept & stages of group dynamics (C2) - Explain the concept of teamwork (C2)	5
Unit 4: Information, Education & Communication for Health (IEC)		
- Health behavior & health education - Planning for health education - Health education with individuals, groups & communities - Communicating health messages - Methods & media for communicating health messages - Using mass media	- Describe the concept of health behavior & health education, content, approaches, models and principles of health education (C2) - Explain the steps, principles of planning for health education (C2) - Prepare health education to individuals, groups & communities for Communicating health messages (C3, P3) - Explain the methods & media for communicating health messages (C2) - Apply mass media in health education (C3)	5

Unit 5: Guidance & Counselling		
• Definition • Purpose, scope and need • Basic principles • Organization of counselling services • Types of counselling approaches • Role and preparation of counselor • Issues for counselling in nursing: Students and practitioners • Counselling process-steps & techniques, tools of counselor • Managing disciplinary problems • Management of crisis & referral	• Define Guidance & Counselling (C1) • Explain purpose, scope and need (C2) • Explain basic principles (C2) • Describe organization of counselling services (C2) • List the types of counselling approaches (C1) • Identify the role and preparation of counselor (C4) • Identify issues for counselling in nursing: Students and practitioners (C4, P1, A1) • Apply counselling process-steps & techniques, tools of counsellor (C3) • Explain managing disciplinary problems (C2) • Explain management of crisis & referral (C2)	10
Unit 6: Principles of Education & Teaching Learning Process		
• Education: meaning, philosophy, aims, functions & principles • Nature and characteristics of learning • Principles and maxims of teaching • Formulating objectives: general and specific • Lesson planning, unit plan, course plan • Curriculum-meaning, principles & steps • Classroom management	• Explain the meaning, philosophy, aims, functions & principles of education (C2) • Comprehends the nature and characteristics of learning (C2) • Describe the principles and maxims of teaching and learning (C2) • Demonstrate skill in framing the educational objectives: general and specific. (C3, A3, P3) • Prepare lesson plan on a topic (C3) • Explain unit plan and course plan (C2) • Describe the meaning, principles and steps of curriculum (C2) • Explain classroom management. (C2)	10+5
Unit 7: Methods of Teaching		
• Lecture, demonstration, group discussion, seminar, symposium, panel discussion, role play, project, fieldtrip, workshop,	• Explain the various classroom methods of teaching (C2) • Explain the various clinical teaching methods (C2)	10+10

exhibition, programmed instruction, computer assisted learning, micro teaching, problem based learning, Self-instructional module and simulation etc. - Clinical teaching methods: Case method, nursing round & reports, bedside clinic, conference (individual & group) process recording - Assignment, questioning, laboratory method, problem solving	- Demonstrate skill in planning and implementing micro teaching. (C3, P2, A2) - Use different methods of teaching following the appropriate principles and techniques (C3)	
Unit 8: Educational Media		
- Purpose & types of A.V. Aids, principles and sources etc. - Graphic aids: Chalk board, chart, graph, poster, flash card, flannel graph, bulletin, cartoon - Three dimensional aids: Objects, specimens, models, puppets - Printed aids: Pamphlets & leaflets - Projected aids: Slides, overhead projector, films, TV, VCR/VCD, camera, microscope, LCD - Audio aids: Tape recorder, public address system - Computer	- Describe the purpose & types of A.V. Aids, principles and sources etc. (C2) - Explain the preparation, presentation, advantages and disadvantages of graphic aids, three dimensional aids, printed aids, projected aids and audio aids (C2) - Prepare the different types of AV aids by following the principles and guidelines (C3, A3, P3)	10+6
Unit 9: Assessment		
- Purpose & scope of evaluation & assessment - Steps and principles - Criteria for selection of assessment techniques and methods - Assessment of knowledge: - Essay type - Extended response - Restricted response - Objective type	- Describe the concept purpose & scope of evaluation & assessment (C2) - Explain steps and principles (C2). - Choose the criteria for selection of assessment techniques and methods (C3). - Identify the various methods of assessment of knowledge (C4). - Identify the various methods of assessment of skills (C4).	6+7

– Supply type – Selection type • Assessment of skills: observation check-list, practical exam, Viva, Objective structured clinical examination (OSCE), rating scale • Assessment of attitudes: Attitude scales	• Identify the methods of assessment attitudes through Attitude scales(C4). • Prepare different types of questions for assessment of knowledge, skills and attitudes (C3, P2, A1)				
Learning strategies, contact hours and student learning time					
<i>Learning strategy</i>	<i>Contact hours</i>	<i>Student learning time (Hrs)</i>			
Lecture	75	150			
Seminar	-	-			
Small Group Discussion (SGD)	02	04			
Self-directed learning (SDL)	03	06			
Problem Based Learning (PBL)	-	-			
Case Based Learning (CBL)	-	-			
Practical	Integrated with theory				
Revision	04	08			
Assessment	06	12			
TOTAL	90	180			
Assessment Methods:					
Formative:		Summative:			
Class tests and Sessional examination		University examination			
Assignments AV aids Exhibition/presentations					
Mapping of assessment with Cos					
Nature of assessment	CO 1	CO 2	CO 3	CO 4	CO 5
Sessional Examination 1	X	x	x	x	
Sessional Examination 2				x	x
Assignment/Presentation				x	
University Examination	X	x	x	x	x
Feedback Process	1. Course feedback				
Reference Material	1. Sharma, S. K., & Sharma, R. (2016). <i>Communication and Educational Technology</i> (Second ed.). Haryana: Elsevier. 2. Sankaranarayanan B Sindhu, B. (2015). <i>Learning and Teaching in Nursing</i> (Fifth ed.). New Delhi: New Age International Publishers. 3. Sudha, R. (2013). <i>Nursing Education Principles and Concepts</i> (First edition ed.). New Delhi: Jaypee Publishers. 4. Dinesh Kumar Sharma.(2008) <i>Communication & Educational Technology</i> , 1 st edition; lotus publication.				

	5. Park K. (2019)<i>Text book of Preventive and social Medicine</i>. 25th edition: Jabalpur; Banarsidas Bhanot Publication. 6. Neeraja KP.(2011) <i>Textbook of communication and Education Technology for Nurses</i>. 1st ed. New Delhi: Jaypee Brothers Medical Publishers(P) LTD. 7. BK Buttar & Neelam Kumari. (2010) <i>A text book of communication and educational technology</i>. 1st edition. PV publication Jalandhar. 8. I clement.(2010) Textbook on Communication & Educational Technology. 2nd edition; EMMESS Medical publishers Bangalore. 9. Heidgerken LE. Teaching and Learning in School of Nursing – Principles and Methods. New Delhi: Konark Publishers Ltd. 10. Gopichandran & C Kanniammal(2017). Essentials of CET. 1st edition; CBS publishers; New Delhi. 11. K Tryphena Sheeba & M Lakshmi Prasanna (2017). CET. 3rd edition. Frontline publication; Hyderabad
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Assessment Mapping

Topics/Unit	Competency level	Impact	Frequency	I X F	Weightage	Marks	Set 1			Set 2			Set 3			Set 4			Set 5		
							Essay	SN	MCQ	Essay	SN	MCQ	Essay	SN	MCQ	Essay	SN	MCQ	Essay	SN	MCQ
Unit 1: Review of Communication Process	C1, C2, C3	1	1	1	0.02	1	0	0	1	0	0	1	0	0	1	0	0	1	0	0	1
Unit 2: Interpersonal Relations	C1, C2, C3	1	3	3	0.06	5	0	5	0	0	5	0	0	5	0	0	5	0	0	5	0
Unit 3: Human Relations	C1, C2, C3	1	3	3	0.06	5	0	5	0	0	5	0	0	5	0	0	5	0	0	5	0
Unit 4: Information, Education & Communication for Health (IEC)	C2, C3	2	2	4	0.08	6	0	5	1	0	5	1	0	5	1	0	5	1	0	5	1
Unit 5: Guidance & Counselling	C1, C2, C3, C4	2	3	6	0.12	9	0	5	4	0	5	4	0	5	4	0	5	4	0	5	4
Unit 6: Principles of Education & Teaching Learning Process	C2, C3	3	3	9	0.18	13	13	0	0	0	10	3	13	0	0	0	10	3	13	0	0
Unit 7: Methods of Teaching	C2, C3	3	3	9	0.18	13	12	0	1	12	0	1		10	3	13	0	0	12	0	1
Unit 8: Educational Media	C2, C3	3	3	9	0.18	14	0	10	4	13	0	1	12	0	2	12	0	2	0	10	4
Unit 9: Assessment	C2, C3, C4	3	2	6	0.12	9	0	5	4	0	5	4	0	5	4	0	5	4	0	5	4
TOTAL				50	1	75	25	35	15	25	35	15	25	35	15	25	35	15	25	35	15

Summary	Impact	Frequency
Essay (2): 1x12= 12 marks, 1x13=13 marks Total: 25 marks	1=Nice to know	1=Rarely
Short note 7x5= 35 marks	2=Need to know	2=Relatively common
MCQ 15x1=15 marks	3=Must know	3=very common
Total=75 marks		

Name of the Institution / Department:

Manipal College of Nursing Manipal, Medical Surgical Nursing

Name of the Program:		B.Sc. Nursing					
Course Title:		Medical Surgical Nursing II (Theory)					
Course Code: BSN301		Course Instructor:					
Academic Year: 2020-2021		Semester/ Year: Third Year					
No of Hours: 120		Prerequisites: NIL					
Synopsis:	This course is designed to help the students to acquire knowledge and develop proficiency in caring for patients with specific medical and surgical disorders						
Course Outcomes (COs):		On successful completion of this course, students will be able to:					
CO 1:		Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of Eye, ENT, Female reproductive system disorders and reproductive health and family welfare programme.					
CO 2:		Explain the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of Neurological and Oncological disorders					
CO 3:		Analyse the etiology, pathophysiology ,clinical manifestations and management of burns, reconstructive and cosmetic surgery					
CO 4:		Explain the role of a nurse in management of patients those who are critically ill, in emergency and disaster					
CO 5:		Discuss the common health problems of geriatric clients					
CO 6:		Describe the occupational and industrial disorders					
Mapping of COs to POs							
<i>COs</i>	<i>PO 1</i>	<i>PO 2</i>	<i>PO 3</i>	<i>PO 4</i>	<i>PO 5</i>	<i>PO 6</i>	<i>PO 7</i>
CO 1	x	x					
CO 2	x	x					
CO 3	x	x					
CO 4	x	x					
CO 5	x	x					
CO 6	x						
Course content and outcomes:							
<i>Content</i>			<i>Competencies</i>				<i>No of Hours</i>
Unit 1: Nursing Management of patients with disorders of Ear, Nose, Throat							
• Review of anatomy and physiology of the Ear, Nose and Throat • Nursing Assessment-History and Physical assessment • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of Ear, Nose and Throat disorders:			• Review the anatomy and physiology of Ear, Nose and throat (C2) • Describe the nursing assessment - history and physical examination relevant to Ear, Nose and Throat(C2) • Relate the aetiology, pathophysiology, clinical manifestations and diagnosis of disorders of external, middle and inner ear problems (C3) • Explain the medical/surgical/ nursing management of disorders of external, middle and inner ear. (C3)				15

❑ External Ear: Deformities otalgia, foreign bodies, and tumours ❑ Middle Ear-Impacted wax, Tympanic membrane perforation, otitis media, otosclerosis, mastoiditis, tumours ❑ Inner Ear-Meniere's Disease, labyrinthitis, ototoxicity, tumours ❑ Upper airway infections – Common cold, sinusitis, ethinitis, rhinitis, pharyngitis, tonsillitis and adenoiditis, peritonsillar abscess, laryngitis • Upper respiratory airway – epistaxis • Nasal obstruction, laryngeal obstruction, cancer of the larynx • Cancer of the oral cavity • Speech defects and speech therapy • deafness prevention, control and rehabilitation (Hearing aids and implanted hearing devices) • drugs used in the treatment of ear, nose and throat disorders • role of nurse in communication with hearing impaired and muteness	• Describe the aetiology, pathophysiology, clinical manifestations and diagnosis of upper airway infections/disorders (C2) • Explain the medical/surgical/ nursing management of upper airway infections /disorders (C3) • Analyse the aetiology, pathophysiology, clinical manifestations and diagnosis of nasal obstruction, laryngeal obstruction, cancer of the larynx and cancer of oral cavity) (C4) • Explain the medical/surgical/ nursing management of nasal obstruction, laryngeal obstruction cancer of larynx and cancer of oral cavity) (C4) • Describe the Speech defects and speech therapy (C2) • Discuss deafness prevention, control and rehabilitation (Hearing aids and implanted hearing devices) (C2) • Describe the various drugs used in the treatment of ear, nose and throat disorders (C2) • Outline the role of nurse in communication with hearing impaired and muteness (C4)	
Unit 2: Nursing Management of patients with disorders of Eye		
Review of anatomy and physiology of the eye • Nursing Assessment-History and Physical assessment • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of eye disorders:	• Review the anatomy and physiology of Eye (C2) • Describe the nursing assessment - history and physical examination relevant to Eye disorders(C2) • Distinguish the types of refractive errors and its management (C4)	15

- Refractive errors - Eyelids-infection, tumours and deformities - Conjunctiva-inflammation and infection, bleeding - Cornea-inflammation and infection - Lens-Cataracts - Glaucoma - Disorder of the uveal tract - Ocular tumours - Disorders of posterior chamber and retina: Retinal and vitreous problems - Retinal detachment - Ocular emergencies and their prevention • Blindness • National blindness control program -Eye Banking - Eye prostheses and Rehabilitation - Role of a Nurse-Communication with visually impaired patient, Eye camps - Special therapies - Nursing procedures Drugs used in treatment of disorders of Eye	• Describe the aetiology, pathophysiology, diagnosis and clinical manifestations of Eye lid infections, tumours and deformities(C2) • Explain the medical/surgical/ nursing management of Eye lid infections, tumours and deformities (C4) • Describe the aetiology, pathophysiology, diagnosis and clinical manifestations of conjunctiva-inflammation, infection and bleeding (C4) • Explain the medical/surgical/ nursing management of conjunctiva inflammation, infection and bleeding (C4) • Relate the aetiology, pathophysiology, diagnosis and clinical manifestations of corneal inflammation and infection (C2) • Explain the medical/surgical/ nursing management of corneal inflammation and infection (C4) • Analyse the aetiology, pathophysiology, diagnosis and clinical manifestations of cataract, glaucoma, retinal detachment, disorders of uveal tract, ocular tumours, disorders of posterior chamber and ocular emergencies(C2) • Explain the medical/surgical/ nursing management of cataract, glaucoma, retinal detachment, disorders of uveal tract, ocular tumours, disorders of posterior chamber and ocular emergencies (C4) • Discuss blindness and national blindness control program(C2) • Describe eye banking, eye camps, eye prosthesis and rehabilitation (C2) • Outline the role of nurse in communication with visually impaired patient (C4) • Describe the various drugs used in the treatment of eye disorders (C2)	
Unit 3: Nursing Management of patients with Neurological disorders		
• Review of anatomy and physiology of the neurological system • Nursing Assessment-History and Physical and neurological assessment and Glasgow coma scale	•Review the anatomy and physiology of neurological system(C2) •Describe the nursing assessment - history and physical examination relevant to Neurological disorders (C2)	16

• Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of neurological disorders: • Congenital malformations • Headache • Head Injuries • Spinal Injuries: - θ Paraplegia - θ Hemiplegia - θ Quadriplegia • Spinal cord compression • herniation of intervertebral disc • Tumours of the brain & spinal cord • Intra cranial and cerebral aneurysms • Infections: Meningitis, Encephalitis, Brain abscess, neurocysticercosis • Movement disorders: Chorea, Seizures, Epilepsies • Cerebro Vascular Accidents (CVA) • Cranial, Spinal Neuropathies – Bell’s palsy, trigeminal neuralgia • Peripheral Neuropathies; Guillain-Barr’e Syndrome • Myasthenia gravis • Multiple sclerosis • Degenerative diseases: Delirium, Dementia, Alzheimer’s disease, Parkinson’s disease • Management of unconscious patients and patients with stroke • Role of the nurse in communicating with patient having neurological deficit • Rehabilitation of patients with neurological deficit	• Discuss the aetiology, pathophysiology, diagnosis and clinical manifestations of congenital malformations (C2) • Explain the medical, surgical and nursing management of congenital malformations (C2) • Describe the aetiology, pathophysiology, diagnosis and clinical manifestations of head ache (C2) • Explain the medical, surgical and nursing management of head ache (C5) • Explain the aetiology, pathophysiology, diagnosis and clinical manifestations of head injuries, spinal cord injuries (paraplegia, hemiplegia, quadriplegia) and spinal cord compression (herniation of intervertebral disc) (C5) • Describe the medical, surgical and nursing management of head injuries, spinal cord injuries (paraplegia, hemiplegia, quadriplegia) and spinal cord compression (herniation of intervertebral disc) (C4) • Describe the aetiology, pathophysiology, diagnosis and clinical manifestations of tumours of brain and spinal cord (C2) • Explain the medical, surgical and nursing management of tumours of brain and spinal cord (C4) • Describe the aetiology, pathophysiology, diagnosis and clinical manifestations of intracranial and cerebral aneurysm(C2) • Explain the medical, surgical and nursing management of intracranial and cerebral aneurysm (C5) • Describe the aetiology, pathophysiology diagnosis and clinical manifestations of infections (meningitis, encephalitis, brain abscess and neurocysticercosis) (C2) • Explain the medical, surgical, nursing management of infections (meningitis, encephalitis, brain abscess and neurocysticercosis) (C5) • Describe the aetiology, pathophysiology diagnosis and clinical manifestations of movement disorders (chorea, seizure, epilepsies) (C2)	
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• Role of nurse in long stay facility (institutions) and at home • Special therapies • Nursing procedures • Drugs used in treatment of neurological disorders	• Explain the medical, surgical, nursing management of movement disorders (chorea, seizure, epilepsies) (C5) • Explain the aetiology, pathophysiology, diagnosis and clinical manifestations of Cerebrovascular accident(CVA) (C2) • Explain the medical, surgical and nursing management of Cerebrovascular accident(CVA) (C5) • Describe the aetiology, pathophysiology, diagnosis and clinical manifestations of cranial, spinal neuropathies (Bell's palsy, trigeminal neuralgia, Guillain-Barre's Syndrome, Myasthenia Gravis and Multiple sclerosis) (C2) • Explain the medical, surgical and nursing management of Bell's palsy, trigeminal neuralgia, Guillain-Barre's Syndrome, Myasthenia Gravis, Multiple sclerosis (C5) • Describe the aetiology, pathophysiology, diagnosis and clinical manifestations of degenerative diseases (C2) • Explain the medical, surgical and nursing management of degenerative diseases (C5) • Discuss the management of unconscious patient and stroke (C2) • Describe role of a nurse in communicating with patient having neurological deficit (C2) • Explain rehabilitation of patient with neurological deficit(C5) • Discuss the role of nurse in long stay facility (institutions and at home) (C2) • Describe various drugs used in treatment of neurological disorders.(C2)	
Unit 4: Nursing Management of patients with disorders of Female reproductive system		
Review of anatomy and physiology of the female reproductive system • Nursing Assessment-History and Physical assessment • Breast Self-Examination • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing	• Review the anatomy and physiology of female reproductive system(C2) • Describe the nursing assessment - history and physical examination relevant to female reproductive system and breast self-examination) (C2) • Describe the aetiology, pathophysiology diagnosis and clinical manifestations of congenital abnormalities of female reproductive system (C2)	16

management of disorder of female reproductive system • Congenital abnormalities of female reproductive system • Sexuality and Reproductive Health • Sexual Health Assessment • Menstrual Disorders; Dysmenorrhea, Amenorrhea, Premenstrual Syndrome • Abnormal Uterine Bleeding; Menorrhagia, Metrorrhagia • Pelvic Inflammatory disease • Ovarian and fallopian tube disorders; infections, cysts, tumours • Uterine and cervical disorders; Endometriosis, polyps, Fibroids, Cervical and uterine tumours, uterine displacement, Cystocele/Urethrocele/Rectocele • Vaginal disorders; Infections and Discharges, Fistulas • Vulvar disorders; Infections, cysts, tumours • Diseases of breasts; Deformities, Infections, Cysts and Tumours • Menopause and Hormonal Replacement Therapy • Infertility • Contraception: Types, Methods, Risk and effectiveness • Spacing Methods – Barrier methods, Intra Uterine Devices, Hormonal, Post Conceptional Methods etc. • Terminal methods – Sterilization • Emergency contraception methods • Abortion – Natural, Medical and surgical abortion – MTP Act	• Explain the medical, surgical and nursing management of congenital abnormalities of female reproductive system (C4) • Discuss reproductive health, sexuality and sexual health assessment (C2) • Describe the aetiology, pathophysiology, diagnosis and clinical manifestations of menstrual disorders (C2) • Explain the medical, surgical and nursing management of menstrual disorders (C4) • Describe the aetiology, pathophysiology, diagnosis and clinical manifestations of abnormal uterine bleeding (C2) • Explain the medical, surgical and nursing management of abnormal uterine bleeding (C4) • Describe the aetiology, pathophysiology, diagnosis and clinical manifestations of pelvic inflammatory disease) • Explain the medical, surgical and nursing management of Pelvic inflammatory disease (C4) • Describe the etiology, pathophysiology, diagnosis and clinical manifestations of ovarian and fallopian tube disorders (C2) • Explain the medical, surgical and nursing management of ovarian and fallopian tube disorders (C4) • Describe the etiology, pathophysiology, diagnosis and clinical manifestations of uterine and cervical disorders (C2) • Explain the medical, surgical and nursing management of uterine and cervical disorders (C4) • Describe the aetiology, pathophysiology, diagnosis and clinical manifestations of vaginal disorders (C2) • Explain the medical/surgical and nursing management of vaginal disorders (C4) • Describe the aetiology, pathophysiology, diagnosis and clinical manifestations of vulvar disorders (C2) • Explain the medical/surgical and nursing management of vulvar disorders (C4)	
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• Toxic Shock Syndrome • Injuries and Trauma; Sexual violence Special therapies • Nursing procedures Drugs used in treatment of gynaecological disorders • National family welfare programme	• Describe the aetiology, pathophysiology, diagnosis and clinical manifestations of breast disorders (C2) • Explain the medical, surgical and nursing management of breast disorders (C4) • Describe the aetiology, pathophysiology, diagnosis and clinical manifestations of menopause (C2) • Explain the medical, surgical and nursing management of menopause including hormone replacement therapy (C4) • Describe the aetiology, pathophysiology, diagnosis and clinical manifestations of infertility (C2) • Explain the medical, surgical and nursing management of infertility (C4) • Describe the contraception including types, methods, risks and effectiveness, emergency contraception methods (C2) • Discuss abortion (natural, medical and surgical), and MTP Act (C2) • Discuss toxic shock syndrome (C2) • Describe injuries and trauma: sexual violence(C2) • Analyse the concepts of reproductive health and national family welfare program(C4) • Describe various drugs used in the treatment of gynaecological disorders (C2)	
Unit 5: Nursing Management of patients with Burns, Reconstructive and Cosmetic surgery		
Review of anatomy and physiology of the skin and connective tissues and various deformities • Nursing Assessment-History and Physical assessment and Assessment of burns and fluid and electrolyte loss • Etiology, Classification, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of Burns and Re-constructive and Cosmetic surgery;	• Review the anatomy and physiology of skin and connective tissue and various deformities(C2) • Describe the nursing assessment - history and physical assessment of burns and fluid and electrolyte loss (C2) • Describe the aetiology, classification pathophysiology, clinical manifestations, diagnosis of Burn injury, reconstructive and cosmetic surgery(C2) • Explain the medical, surgical and nursing management of Burn injury, reconstructive and cosmetic surgery (C4) • Discuss the various types of reconstructive and cosmetic surgeries for burns, congenital	10

• Types of Re-constructive and Cosmetic surgery; for burns, congenital deformities, injuries and cosmetic purposes • Role of Nurse • Legal aspects • Rehabilitation • Special therapies : Psycho social aspects Nursing procedures Drugs used in treatment of Burns, reconstructive and cosmetic surgery	deformities, injuries and cosmetic purposes (C2) • Identify nurse's role in rehabilitation of burn injury(C2) • Discuss the legal aspects in the management of burn injury (C2) • Discuss the psychosocial aspects related to burn injury management. (C2) • Describe various drugs used in the treatment of burns, reconstructive and cosmetic surgery(C2)	
Unit 6: Nursing Management of patients with Oncological disorders		
Structure & characteristics of normal & cancer cells • Nursing Assessment-History and Physical assessment • Prevention, Screening, Early detection, Warning signs of cancer • Epidemiology, Etiology, Classification, Pathophysiology, Staging, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of oncological conditions • Common malignancies of various body systems; Oral, Larynx, Lung, Stomach and Colon, Liver, Leukemias and Lymphomas, Breast, Cervix, Ovary, Uterus, Sarcoma, Brain, Renal, Bladder, Prostate etc. • Oncological emergencies • Modalities of treatment: Immunotherapy, Chemotherapy, Radiotherapy Surgical Interventions -Stem cell and Bone marrow transplants - Gene therapy - Other forms of treatment • Psychosocial aspects of cancer • Rehabilitation	• Discuss the structure and characteristics of normal and cancer cells (C2) • Describe the nursing assessment - history and physical examination relevant to oncological conditions(C2) • Explain the prevention, screening, early detection and warning signs of cancer (C5) • Describe the epidemiology, aetiology, classification, pathophysiology, clinical manifestations and diagnosis of common cancers (C2) • Explain the medical, surgical and nursing management of common (C5) • Explain the modalities of treatment (immunotherapy, chemotherapy, radiotherapy, surgical interventions, stem cell and bone marrow transplants, gene therapy and other forms of treatments. (C5) • Discuss the psychosocial aspects of cancers (C2) • Describe the rehabilitation of patients with oncological conditions (C2) • Describe palliative care: nutritional support, symptom and pain management in cancer(C2) • Discuss role of nurse in stoma therapy, home care, special therapies and hospice care (C2)	10

• Palliative care; Symptom and Pain Management, Nutritional support • Home care • Hospice care • Stomal Therapy • Special therapies & Psycho social aspects • Nursing procedures		
Unit 7:Nursing Management of patients in Emergency & Disaster Situation		
Disaster Nursing: • Concepts and principles of • Disaster Nursing • Causes and Types of Disaster: • Natural and Man-made • Earthquakes, Floods, • Epidemics, Cyclones • Fire, Explosion, Accidents • Violence, Terrorism; biochemical, War • Policies related to emergency/ disaster management; • International, national, state, institutional • Disaster preparedness: • Team, Guidelines, Protocols, • Equipment's, Resources • Co-ordination and involvement of; Community, various govt. departments, non-govt. organizations and International agencies • Role of nurse: working • Legal aspects of disaster • Nursing • Impact on Health and after effects; Post Traumatic Stress Disorder • Rehabilitation; physical, psychosocial, financial, relocation • Emergency Nursing • Concept, priorities, principles and Scope of emergency nursing	• Describe the concepts and principles of disaster nursing (C2) • Describe the causes and types of disaster: natural and manmade (earthquakes, floods, epidemics, cyclones, fire, explosion, accidents, violence, terrorism, biochemical, war) (C2) • Describe the policies related to emergency and disaster management: institutional, state, national and international (C2) • Discuss disaster preparedness (team, guidelines, protocols, equipment's and resources) (C2) • Describe coordination and involvement of community, various government departments, non-government organizations and international agencies (C2) • Differentiate the different disaster triage system (C4) • Explain the phases of disaster(C5) • Discuss the role of a nurse in disaster management (C2) • Discuss Legal aspects of disaster nursing(C2) • Discuss the impact on health and after effects: Post traumatic stress disorder (C2) • Explain the rehabilitation of disaster victims (physical, psychosocial, financial and relocation) (C5) • Describes the concept, priorities, principles and scope of emergency nursing (C2)	10

• Organization of emergency services: physical setup, staffing, equipment and supplies, protocols, Concepts of triage and role of triage nurse • Co-ordination and involvement of different departments and facilities • Nursing Assessment-History and Physical assessment • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of patient with medical and surgical emergency • Principles of emergency management • Common Emergencies – Respiratory Emergencies – Cardiac Emergencies – Shock and Haemorrhage – Pain – Poly-Trauma, road accidents, crush injuries, wound – Bites – Poisoning: Food, Gas, Drugs & • Chemical Poisoning • Seizures • Thermal Emergencies; Heat stroke & Cold injuries • Pediatric Emergencies • Psychiatric Emergencies • Obstetrical Emergencies • Violence, Abuse, Sexual assault • Cardio Pulmonary Resuscitation	• Describe the organization of emergency services: physical setup, staffing, protocols, equipment and supplies. (C4) • Appraise the concepts of triage and role of a triage nurse (C4) • Describe the nursing assessment - history and physical examination, etiology, pathophysiology, clinical manifestations, diagnosis, treatment modalities of medical surgical emergencies (C4) • Explain the techniques of emergency assessment of poly trauma patient, road traffic accidents, crush injuries, wounds and bites (C4) • Describe the types of poisoning (food, gas, drugs, and chemical poisoning (C2) • Explain the pathophysiology and management (medical and nursing) of op poisoning (C5) • Discuss the various thermal emergencies: heat stroke and cold injuries (C2) • Describe the aetiology of shock and haemorrhage(C2) • Analyse the types of shock (C4) • Illustrate the medical/surgical/nursing management of Shock and haemorrhage (C4) • Describe pain management in common emergencies (C2) • Describe the role of a nurse in management of common emergencies (Seizures, respiratory, cardiac, paediatric, obstetrical and psychiatric emergencies: violence, abuse, sexual assault) (C2) • Discuss the measures to prevent violence and Abuse(C2) • Explain Crisis intervention(C4) • Describe the role of a nurse in communication and interpersonal relations(C2)	
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	Describe role of a nurse in medico-legal aspects (C2)	
Unit 8:Nursing Management of Elderly patients		
- Nursing Assessment-History and physical assessment - Ageing: - Demography; Myths and realities - Concepts and theories of ageing - Cognitive Aspects of Ageing - Normal biological ageing - Age related body systems changes - Psychosocial Aspects of Aging - Medications and elderly - Stress & coping in older adults - Common Health Problems & Nursing Management - Cardiovascular, Respiratory, Musculoskeletal - Endocrine, genito-urinary, gastrointestinal - Neurological, Skin and other - Sensory organs ☐ Psychosocial and Sexual ☐ Abuse of elderly - Role of nurse for care of elderly: ambulation, nutritional, communicational, psychosocial and spiritual - Role of nurse for caregivers of elderly - Role of family and formal and non-formal caregivers - Use of aids and prosthesis (hearing aids, dentures) - Legal & Ethical Issues	- Discuss the nursing assessment - history and physical assessment relevant to Ageing (C2) - Describe ageing, demography, myths and realities (C2) - Discuss the concepts and theories, normal biological ageing, cognitive aspects, psychosocial aspects of ageing (C2) - Describe the age related body system changes among elderly (C2) - Discuss the special considerations during medication in elderly (C2) ` - Describe stress & coping in older adults - Describe the common health problems and nursing management (cardiovascular, respiratory, musculoskeletal, endocrine, genitourinary, gastrointestinal, neurological, skin and other sensory organs(C2) - Discuss psychosocial and sexual abuse of elderly(C2) - Describe role of nurse for care of elderly (ambulation, nutritional, communicational, psychosocial and spiritual) (C2) - Describe the role of a nurse for family, formal and non-formal caregivers(C2) - Discuss the use of aids and prosthesis (hearing aids, dentures) (C2) - Discuss the legal and ethical issues related to elderly (C2) - Discuss provisions and programs for elderly (privileges, community programs, health services, home and institutional care) (C2) - Describe effective ways of communication with elderly person (C3)	10

• Provisions and Programmes for • elderly; privileges, Community • Programs and health services • Home and institutional care		
Unit 9:Nursing Management of patients in Critical Care Units		
Nursing Assessment-History and physical assessment • Classification • Principles of critical care nursing • Organization; Physical setup, • Policies, staffing norms • Protocols, equipment and supplies • Special equipment's: {cardiac monitors, ventilators, ABP, CVP, Pulse oximetry, pacemaker, defibrillator, bag mask ventilation, infusion pump} • Resuscitation equipment's • Infection Control Protocols • Nursing management of critically ill patient • Monitoring of critically ill patient • CPR-Advance Cardiac Life support • Treatments and procedures • Transitional care • Ethical and Legal Aspects • Communication with patient and family • Intensive care records • Crisis Intervention • Death and Dying-coping with • ☐ Drugs used in critical care unit	• Describe the nursing assessment - history and physical examination relevant to critical care(C2) • Explain the classification, principles, organization, (physical setup, policies, protocols, staffing norms, intensive care records, equipment and supplies of critical care units(C4) • Calculate the staff requirement in critical care unit(C4) • Discuss the different special equipment's used in critical care unit (C3) • Distinguish the deferent modes of ventilator(C4) • Explain the nurse's role in taking care of ventilated patient (C4) • Discuss the role of nurse in management of patients in critical care units (C3) • Discuss skills in monitoring patient with critically ill (C3) • Explain the steps of CPR – Advance life support (C2) • Describe the nurse's role in transitional care(C2) • Discuss the ethical and legal aspects in critical care(C2) • Describe role of a nurse in communication with patient and family, crisis intervention, during death and dying-coping with) (C3) • Describe various drugs used in critical care unit(C2)	10

Unit 10 :Nursing Management of adult patients including elderly with Occupational and Industrial Disorders						
Nursing Assessment-History and physical assessment - Etiology, Pathophysiology, - clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of occupational and industrial health disorders - Role of nurse - Special therapies, alternative therapies - Nursing procedures - Drugs used in treatment of Occupational and Industrial disorders	- Describe the nursing assessment (history physical examination), etiology, pathophysiology, clinical manifestations of occupational and industrial disorders(C2) - Identify the various diagnostic measures to rule out occupational and industrial disorders (C2) - Explain the medical/surgical/nursing management of occupational and industrial disorders (C2) - Describe various drugs used in occupational and industrial disorders (C2)					8
Learning strategies, contact hours and student learning time						
Learning strategy		Contact hours		Student learning time (Hrs)		
Lecture		115		230		
Small Group Discussion (SGD)		02		10		
Self-directed learning (SDL)		02		05		
Problem Based Learning (PBL)		01		05		
Revision		14		30		
Assessment		06				
TOTAL		140		270		
Assessment Methods:						
Formative:				Summative:		
Class tests and Sessional examination				University examination		
Assignments/presentations						
Mapping of assessment with Cos						
Nature of assessment	CO 1	CO 2	CO 3	CO 4	CO 5	CO 6
Sessional Examination 1	x	x	x	x	x	
Sessional Examination 2	x	x	x	x	x	x
Assignment/Presentation		x	x	x		
End Semester Examination	x	x	x	x	x	x
Laboratory examination	NA					
Feedback Process	Course feedback					

Reference Material	1. Lewis, S. L., Heitkemper, M. M., Dirksen, S. R., O'brien, P. G., & Bucher, L. (2008). Medical Surgical Nursing; Assessment and Management of Clinical Problems. Missouri: Elsevier. 2. Joyce M black, Jane Hokanson Hawks. Medical surgical nursing, Clinical management for positive outcomes. 8th ed. 3. Smeltzer AC., Bare. BG. Brunner and Siddhartha's Textbook of Medical Surgical Nursing. 10th edition. 4. Park, K. Park's Textbook of Preventive and Social medicine.18th ed. Jabalpur: BanarsidasBhanot. 5. Potter P A, Perry A G. Fundamentals of nursing 8th edition 6. Kuruvilla J. Essentials of critical care nursing; Jayapee publications. 1st ed. 7. Davidson's principles & practice of medicine 21st edition page no 219 8. Basavanthappa BT. Nursing management (2003print). Page 41 9. www. uptodate.com 10. Guidelines on care of a patient in ICU 11. AHA guidelines on BLS and ACLS
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Name of the Institution / Department:

Manipal College of Nursing Manipal, Medical Surgical Nursing

Name of the Program:		BSc Nursing					
Course Title:		Medical Surgical Nursing II (Practical)					
Course Code: BSN302		Course Instructor:					
Academic Year: 2020-2021		Semester/ Year: Third Year					
No of Hours: 270		Prerequisites: Nil					
Synopsis:	This course is designed to help the students to acquire knowledge and develop proficiency in caring for patients with medical and surgical disorders in varieties of health care settings and at home						
Course Outcomes (COs):		On successful completion of this course, students will be able to:					
CO 1:		Provides care to Neurological, Oncological disorders and critically ill patients					
CO 2:		Provide care to patients with ENT,EYE, Gynaecological disorders					
CO 3:		Provides care to patients with Burns					
CO 4:		Provides care to patients in emergency and disaster situation					
Mapping of COs to POs							
<i>COs</i>	<i>PO 1</i>	<i>PO 2</i>	<i>PO 3</i>	<i>PO 4</i>	<i>PO 5</i>	<i>PO 6</i>	<i>PO 7</i>
CO 1	x	x	x	x			
CO 2	x	x	x	x			
CO 3	x	x	x	x			
CO 4	x	x	x	x			
Course content and outcomes:							
<i>Content</i>			<i>Competencies</i>				<i>No of Hours</i>
Unit 1: Nursing management of patients with Ear, Nose and Throat disorders							
- Perform examination of ear, nose and throat - Assist with diagnostic procedures - Assist with therapeutic procedures - Instillation of drops - Perform/assist with irrigations - Apply ear bandage - Perform tracheostomy care - Patients and family teaching			- Displays skill in performing examination of Ear, Norse and Throat (C4, P4, A4) - Assist in diagnostic procedures related to ENT (C3, P2, A2) - Assist in therapeutic procedures related to ENT (C3, P2, A2) - Displays skill in performing instillation of Eardrops (C4, P4, A4) - Demonstrate nasal drops administration (C4, P4, A4) - Perform/assist with Irrigation of Ear (C4, P4, A4) - Perform Irrigation of nasal cavity (C4, P4, A4) - Apply Ear bandage (C4, P4, A4) - Perform tracheostomy care (C4, P4, A4) - Provide nursing care to patients with of disorders of Ear, Nose, and Throat disorders (C4, P4, A4)				24

	• Identify the various diagnostic measures of EAR, Nose and throat disorders (C4, P4, A4) • Demonstrate ways of effective communication with hearing impaired and muteness (C4, P4, A4) • Demonstrate patient and family teaching in clinical practice(C4,P4,A4)	
Unit 2: Nursing management of patients with Eye disorders		
• Examination of eye • Assisting with diagnostic procedures, therapeutic procedures • Performing irrigations • Application of eye bandage, eye drops/ointments • Assisting with foreign body removal • Patients and family teaching	• Perform examination of Eye (C4, P4, A4) • Identify the various diagnostic measures of Eye disorders (C4, P4, A4) • Assist in diagnostic procedures related to eye disorders (C4, P4, A4) • Assist in therapeutic procedures related to Eye • Perform Instillation of eye drops (C4, P4, A4) • Apply eye ointments (C4, P4, A4) • Perform/assist with irrigation of Eye (C4, P4, A4) • Assist in foreign body removal (C4, P4, A4) • Apply eye bandage (C4, P4, A4) • Provides nursing care to patients with various Eye disorders (C4, P4, A4) • Demonstrate ways of effective communication with visually impaired patient (C4, P4, A4) • Demonstrate patient and family teaching in clinical practice(C4,P4,A4)	24
Unit 3: Nursing management of patients with Neurological disorders		
Perform Neurological Examination • Use Glasgow coma scale • Assist with diagnostic procedures • Assist with therapeutic procedures • patients and family teaching • Participate in rehabilitation program	• Demonstrate skills in Neurological assessment GCS, Cranial nerve, reflexes etc. (C4, P4, A4) • Practice effective use of Glasgow coma scale (C4, P4, A4) • Assist in diagnostic procedures related to neurological disorder (C4, P4, A4) • Identify the various diagnostic measures of EEG, CT Scan, MRI procedures (C4, P4, A4) • Assist in therapeutic procedures of neurological disorders (C4, P4, A4) • Assist in tracheostomy care. (C4, P4, A4) • Provides nursing care to patients with of disorders of neurological disorders (C4, P4, A4) • Provides comprehensive care to unconscious patients (C4, P4, A4) • Participates in stoke rehabilitation program (C4, P4, A4)	120

	• Demonstrate patient and family teaching in clinical practice(C3, P2, A2)	
Unit 4: Nursing Management of patients with disorders of Female reproductive system		
Assist with gynaecological Examination • Assist with diagnostic procedures • Assist with therapeutic procedures • Patient and family teaching • Teaching self-Breast Examination • Assist with PAP smear collection	• Assist with Gynaecological examination (C4, P4, A4) • Assist with diagnostic procedures of reproductive disorders (C4, P4, A4) • Assist in Pap smear collection. (C2, P2, A2) • Assist in therapeutic procedures of reproductive disorders (C2, P4, A4) • Demonstrates breast self-examination (C4, P4, A4) • Identify the various diagnostic measures of disorders of female reproductive system (C4) • Provides the nursing care to patients with disorders of female reproductive system (C4, P4, A4)) • Analyse the concepts of reproductive health and family welfare program (C4, P4, A4) • Demonstrate patient and family teaching in clinical practice(C3,P4,A4)	*during internship
Unit 5: Nursing Management of patients with Burns, Reconstructive and Cosmetic surgery		
Assessment of the burns patient - Percentage of burns - Degree of burns • Fluid & electrolyte replacement therapy • Record intake/output • Care of Burn wounds θ Bathing θ Dressing • Perform active & passive exercises • Practice medical & surgical asepsis • Counsel & Teach patients and families • Participate in rehabilitation program	• Identify the various diagnostic measures of Burns, reconstructive and cosmetic surgery (C4) • Calculate the percentage of burns based on depth, degree of tissue injury burns (C4, A2, P4) • Calculates the fluid requirement based on percentage of burns (C4, A2, P4) • Assist in therapeutic procedures related to burn injury (C2, P4, A4) • Provides the nursing care to patients with Burns, reconstructive and cosmetic surgery (C2, A2, P2) • Participates in rehabilitation program (C3, A2, P2) • Demonstrate patient teaching in clinical practice(C3, P2, A2)	*during internship
Unit 6: : Nursing Management of patients with Oncological disorders		
• Screen for common cancers TNM classification • Assist with diagnostic procedures □ Biopsies	• Assist with diagnostic procedures: biopsies, pap smear, bone marrow aspiration and biopsy (C2, P2, A2)	72

❑ Pap smear ❑ Bone-marrow aspiration • Breast examination • Assist with therapeutic procedures • Participates in various modalities of treatment - Chemotherapy θ Radiotherapy θ Pain management ❑ Stomalththerapy ❑ Hormonal therapy ❑ Immuno therapy ❑ Gene therapy ❑ Alternative therapy • Participate in palliative care • Counsel and teach patients families - θ Self Breast Examination - θ Warning signs • Participate in rehabilitation program	• Observes procedures: Mammography, brachytherapy, tele therapy, day-care centre (C2, P2, A2) • Identify the various diagnostic measures of oncological disorders (C2) • Employ the chemotherapy principles when taking care of patients with chemotherapy medications (C4, P4, A4) • Employ the radiation principles when taking care of patients who is receiving radiotherapy (C3, A2, P2) • Demonstrates breast self-examination (C4, P4, A4) • Demonstrates Post mastectomy exercise (C4, P4, A4) • Demonstrate patient teaching in clinical practice (C3, P2, A2) • Demonstrate skill in providing stoma care(tracheostomy, colostomy ileostomy, gastrostomy) (C3,P4,A4)	
Unit 7:Nursing Management of patients in Emergency & Disaster Situation		
Monitoring of patients in ICU • Maintain flow sheet • Care of patient on ventilators • Perform Endotracheal suction • Demonstrates use of • ventilators, cardiac monitors • etc. • Collect specimens and interprets ABG analysis • Assist with arterial puncture • Maintain CVP line • Pulse oximetry • CPR-ALS • Defibrillators • Pace makers • Bag-mask ventilation • Emergency tray/Trolley-Crash • Cart • Administration of drugs • Infusion pump • Epidural • Intra thecal	• Assist in examination of patient in emergency and disaster situations (C2, P2 A2) • Practice triage in emergency and disaster situation (C2, P2, A2) • Demonstrate skill in assessment of poly trauma patient (emergency assessment) (C4, P4, A4) • Assist in legal procedures in emergency unit (A2, P2) • Participate in managing crowd (A2, P2) • Counsel the patient and families in grief and bereavement (C3, A2, P2) • Demonstrate the skill in CPR. -ALS (C4, P4, A4) • Demonstrate ways of effective communication in emergency and disaster situation (C3, P2, A2) • Counsel the patient and families in grief and bereavement (C2, P2, A2) • Participates in rehabilitation program (C2, P2, A2) • Demonstrate patient and family teaching in various emergencies (C3, P2, A2)	*during internship

Intracardiac • Total parenteral therapy • Chest physiotherapy • Perform active & passive exercises • Counsel the patient and family in dealing with grieving and bereavement		
Unit 8:Nursing Management of Elderly patients		
• Practice 'triage' • Assist with assessment, examination, investigations & their interpretations, in emergency and disaster situations • Assist in documentations • Assist in legal procedures in emergency unit • Participate in managing crowd • Counsel patient and families in grief and bereavement	• Assess the common health problems of geriatric clients (C2, P2, A2) • Demonstrate skills in comprehensive geriatric assessment (C3, P2, A2) • Employ special considerations during medication in elderly (C3, P2, P2) • Employ the safety issues related to elderly care (C3, A2, P2) • Demonstrate ways of effective communication with elderly patients (C3, A2, P2) • Conduct visit to old age home • Counsel the patient and families in grief and bereavement (C2, P2, A2) • Demonstrate patient and family teaching in clinical practice(C3, P2, A2)	*Geriatric posting(48)
Unit 9:Nursing Management of patients in Critical Care Units		
Demonstrates the skills in handling equipment used in critical care unit Role of a nurse in management of patients those who are critically ill	• Demonstrate skills in handling the equipment used in critical care unit. {cardiac monitors, ventilators, ABP, CVP, Pulse oximetry, pacemaker, defibrillator, bag mask ventilation, infusion pump} (C3, A3, P4) • Assist in various diagnostic and therapeutic procedures in critical care unit (C2, P2, A2) • Demonstrate ways of effective communication with Ventilated patients (C3, P2, A2) • Demonstrate the role of nurse in management of patients in critical care units (C3, P2, A2) • Demonstrate skills in monitoring (maintains the flow chart) patient with critically ill (C3, P2, A2) • Analyse the changes patient parameters (C4) • Demonstrate ways of effective communication with critically ill patients (C3) • Interpret the variations in ABG values (C6, P1, A1) • Appraise the critically ill patient with death and dying. (C3, P2, A2)	40

	• Support family during end of life care, death and dying (C2, P2, A2) • Employ infection control protocols (C3, A2, P2) • Counsel the patient and families in grief and bereavement(C3.P2,A2)					
Unit 10 :Nursing Management of adult patients including elderly with Occupational and Industrial Disorders						
Diagnostic measures Occupational disorders	• Identify the various diagnostic measures to rule out occupational disorders (C2) • Provides the nursing care to patients with occupational disorders (C4, P2, A2)					
Learning strategies, contact hours and student learning time						
<i>Learning strategy</i>	<i>Contact hours</i>	<i>Student learning time (Hrs)</i>				
Direct patient care	110	-				
Clinical teaching	20	10				
Self-directed learning (SDL)	25	45				
Nursing rounds	20	-				
Case presentation	25	50				
Ongoing evaluation	10	-				
Procedure return demonstration	30	60				
Drug presentation	05	20				
Health education	10	30				
Health Assessment	05	10				
Case study	05	25				
Model examination	05	20				
TOTAL	270	260				
Assessment Methods:						
Formative:		Summative:				
Class tests and Sessional examination		University examination				
Assignments/presentations						
Quiz						
Mapping of assessment with Cos						
Nature of assessment	CO 1	CO 2	CO 3	CO 4	CO 5	CO 6
Sessional Examination 1						
Sessional Examination 2						
Quiz	x	x	x			
Assignment/Presentation		x	x	x		
University Examination	x	x	x	x		x
Feedback Process	• Course Feedback					

Reference Material	1. Lewis, S. L., Heitkemper, M. M., Dirksen, S. R., O'brien, P. G., & Bucher, L. (2008). Medical Surgical Nursing; Assessment and Management of Clinical Problems. Missouri: Elsevier. 2. Joyce M black, Jane Hokanson Hawks. Medical surgical nursing, Clinical management for positive outcomes. 8th ed. 3. Smeltzer AC., Bare. BG. Brunner and Siddhartha's Textbook of Medical Surgical Nursing. 10th edition. 4. Park, K. Park's Textbook of Preventive and Social medicine.18th ed. Jabalpur: Banarsidas Bhanot. 5. Potter P A, Perry A G. Fundamentals of nursing 8th edition 6. Kuruvilla J. Essentials of critical care nursing; Jayapee publications. 1st ed. 7. Davidson's principles & practice of medicine 21st edition 8. Basavanthappa BT. Nursing management (2003print). 9. www. uptodate.com 10.Guidelines on care of a patient in ICU 11. AHA guidelines on BLS and ACLS
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Topics/Unit	Competency level	Impact	Frequency	I X F	Weightage	Marks	Set 1			Set 2			Set 3			Set 4			Set 5		
							Essay	SN	MCQ	Essay	SN	MCQ	Essay	SN	MCQ	Essay	SN	MCQ	Essay	SN	MCQ
Unit I: Nursing Management of patients with disorders of Ear, Nose, Throat	C1,C2,C3,C4	2	3	6	0.098	7.37(7)		5	2		5	2		5	2		5	2		5	2
Unit II: Nursing Management of patients with disorders of Eye	C1,C2,C3,C4	2	3	6	0.098	7.37(7)		5	2		5	2		5	2		5	2		5	2
Unit III: Nursing Management of patients with Neurological disorders	C1,C2,C3,C4, C5	3	3	9	0.148	11.06(12)	13	-	1	13		1	13		1	13		1	13		1
Unit IV: Nursing Management of patients with disorders of Female reproductive system	C1,C2,C3,C4	2	3	6	0.098	7.37(7)		5	2		5	2		5	2		5	2		5	2
Unit V: Nursing Management of patients with Burns, Reconstructive and Cosmetic surgery	C1,C2,C3,C4	2	3	6	0.098	7.37(7)		5	2		5	2		5	2		5	2		5	2
Unit VI: Nursing Management of patients with Oncological disorders	C1,C2,C3,C4, C5	3	3	9	0.148	11.06(12)	12		1	12		1	12		1	12		1	12		1
Unit VII: Nursing Management of patients in Emergency & Disaster Situation	C1,C2,C3,C4	3	2	6	0.098	7.37(7)		5	2		5	2		5	2		5	2		5	2
Unit VIII: Nursing Management of Elderly patients	C1,C2,C3,C4	2	3	6	0.098	7.37(7)		5	1		5	1		5	1		5	1		5	1
Unit IX: Nursing Management of patients in Critical Care Units	C1,C2,C3,C4	3	2	6	0.098	7.37(7)		5	1		5	1		5	1		5	1		5	1
Unit X: Nursing Management of adult patients including elderly with Occupational and Industrial Disorders	C1	1	1	1	0.016	1.2225(1)	-	-	1			1			1			1			1
Total				61	0.999	74.93	25	35	15		35	15	25	35	15	20	35	15	25	35	15

Summary	Impact	Frequency
Essay (2): 1x12= 12 marks, 1x13=13 marks Total: 25 marks	1=Nice to know	1=Rarely
Short note 7x5= 35 marks	2=Need to know	2=Relatively common
MCQ 15x1=15 marks	3=Must know	3=very common
Total=75 marks		

Name of the Institution / Department:

Manipal College of Nursing Manipal, Child Health (Paediatric) Nursing

Name of the Program:	BSc Nursing
Course Title:	Child Health Nursing (Theory)
Course Code: BSN303	Course Instructor:
Academic Year: 2020-2021	Semester/Year: Third Year
No of Hours: 90	Prerequisites: Nil
Synopsis:	This course is designed to help the students to develop an understanding of the modern approach to child-care, identification, prevention and nursing management of common health problems of neonates and children.

Course Outcomes (COs):	On successful completion of this course, students will be able to::
CO 1:	Explain the modern concepts of child care.
CO 2:	Appraise the growth and development of children in different age groups.
CO 3:	Discuss the care of normal and high risk neonates.
CO 4:	Outline the management of children based on IMNCI guidelines.
CO 5:	Explain the care of children with common childhood diseases.
CO 6:	Explain the management of children with behavioural and social problems.

Mapping of COs to POs

<i>Cos</i>	<i>PO 1</i>	<i>PO 2</i>	<i>PO 3</i>	<i>PO 4</i>	<i>PO 5</i>	<i>PO 6</i>	<i>PO 7</i>
CO 1	x	x				x	
CO 2	x	x					
CO 3	x	x					
CO 4	x						x
CO 5	x	x					
CO 6	x						

Course content and outcomes:

Content	Competencies	No of Hours
Unit 1- Introduction		
- Modern concept of child care & principles of child health nursing - National policy programs and legislation in relation to child health and welfare - Major causes of death during infancy, early & late childhood	- Describe the modern concepts of child care – primary care, secondary care, tertiary care and family centered care (C2) - Discuss internationally accepted rights of child (C2) - Explain the national policy & legislations related to child health & welfare (C2) - Review national programmes related to child health and welfare (C2) - Explain the role of agencies in welfare services of children (C2) - Discuss the changing trends in hospital care – preventive, promotive and curative aspects of child health (C2) - Review the concepts of child morbidity and mortality (C2) - Describe hospital environment for a sick child (C2)	15

- Major functions and role of the paediatric nurse in caring for a hospitalized child - Procedures related to child health nursing	- Explain the impact of hospitalization on child & family (C2) - Explain the process of grief and bereavement (C2) - Differentiate the characteristics of adult and child (C4) - List the qualities of pediatric nurse (C1) - Explain the role of a paediatric nurse in caring for a hospitalized child (C2) - Explain the principles of pre & post-operative care of infants & children (C2) - Demonstrate the child health nursing procedures (C3, P3)	
Unit II - The healthy child		
- Normal growth & development of children at different ages - Role of play for normal & sick children - Needs of children at different ages & provide parental guidance - Nutritional needs of children at different ages and ways of meeting the needs - Appreciate the preventive measures and strategies for children	- Explain the principles of growth and development (C2) - Discuss the factors affecting growth and development (C2) - Describe the stages of prenatal development (C1) - Explain the growth and development of children from birth to adolescent (C5, P3) - Discuss the needs of children & parental guidance at different ages (C2) - Explain the nutritional needs of children & infants: breast feeding, exclusive breast feeding, supplementary/artificial feeding and weaning (C2) - Describe the concept of baby friendly hospital initiative (C1) - Discuss common accidents: causes and its prevention (C2) - Outline the value of play and selection of play materials (C2) - Review the concept of preventive immunization, immunization programme & cold chain (C2) - Describe the concept of preventive paediatrics (C1) - Explain the concept of under-five clinics/well baby clinics (C2)	20
Unit III - Nursing care of a neonate		
Provide care to normal & high risk neonates	Explain the nursing care of normal newborn/ Essential newborn care (C2)	15

• Perform neonatal resuscitation • Recognize and manage common neonatal problems	• Demonstrate neonatal resuscitation (C3, P3) • Describe nursing management of a low birth weight baby, preterm, SGA (C2) • Describe the concept of Kangaroo mother care (C2) • Explain the nursing management of neonates with common disorders (C2) • Discuss organizational structure of neonatal unit (C2) • Explain identification & nursing management of common congenital malformations (C2)	
Unit 4: Integrated Management of Neonatal & Childhood Illness (IMNCI)		
	• Outline the management of children based on Integrated Management of Neonatal & Childhood Illness (IMNCI) (C2)	10
Unit 5: Nursing Management in common childhood diseases		
• Provide nursing care in common childhood diseases • Measures to prevent common childhood diseases including immunization	• Explain nursing care of children with Nutritional deficiency disorders – PEM, Rickets, Xerophthalmia (C2) • Explain nursing care of children with Respiratory disorders & infections – Sinusitis, rhinitis, bronchitis, bronchiolitis, tonsillitis, tuberculosis, pneumonia, cystic fibrosis, asthma, influenza (C5) • Explain nursing care of children with Gastrointestinal infections, infestations & congenital disorders – Cleft lip & palate, TEF, pyloric stenosis, hirschsprung's disease, intestinal obstruction, imperforate anus, malabsorption syndrome, hepatitis, anorectal malformation, appendicitis, worm infestation (C5) • Describe nursing care of children with Cardiovascular problems: congenital defects, rheumatic fever & rheumatic heart disease (C2) • Explain nursing care of children with Genitourinary disorders: Acute Glomerulonephritis, Nephrotic syndrome, infection & congenital disorders (C5) • Explain nursing care of children with Neurological infections & disorders: convulsions, meningitis, hydrocephalus, spina bifida, cerebral palsy, encephalitis (C5)	20

	• Describe nursing care of children with Haematological disorders: Anaemia, Thalassemia, ITP, leukaemia, haemophilia (C2) • Explain nursing care of children with Endocrine disorders: Juvenile Diabetes mellitus, Cushing's syndrome (C2) • Describe nursing care of children with Orthopaedic disorders: club foot, hip dislocation, fracture, torticollis, Perthe's disease (C2) • Explain nursing care of children with disorders of skin, eye and ears (C2) • Describe nursing care of children with Paediatric oncology: Leukaemia, Lymphoma, brain tumour, Wilm's tumor, neuroblastoma, Ewing's sarcoma, retinoblastoma (C2) • Review nursing care of children in hospital and home with common communicable diseases, their identification & prevention – Diphtheria, pertussis, tetanus, measles, mumps, rubella, polio, dengue fever (C2) • Explain nursing care of children with child health emergencies: poisoning, foreign bodies, haemorrhage, burns & drowning (C2) • Describe nursing care of infant and children with HIV/AIDS (C2)	
Unit 6: Management of behavioural & social problems in children		
• Manage the child with behavioural & social problems – Eating disorders, elimination disorders, speech disorders, learning disability, habit disorder, tics, ADHD • Social & welfare services for challenged children	• Discuss the management of common behavioural disorders (C2) • Explain the management of common psychiatric problems – depression, autism (C2) • Describe the management of Mentally, Physically, & Socially challenged children (C2) • Name the welfare services for challenged children in India (C1) • Describe the concept of Child guidance clinic (C2)	10

Learning strategies, contact hours and student learning time							
Learning strategy		Contact hours		Student learning time (Hrs)			
Lecture		65		130			
Small Group Discussion (SGD)		10		20			
Self-directed learning (SDL)		08		16			
Demonstration		03		06			
Role play		02		04			
Quiz		02		04			
Revision		10		20			
Assessment		06		-			
TOTAL		106		200			
Assessment Methods:							
Formative:				Summative:			
Two sessional examinations				University examination			
Assignment							
Online courses							
Mapping of assessment with Cos							
Nature of assessment		CO 1	CO 2	CO 3	CO 4	CO 5	CO 6
Sessional Examination 1		x	x	x			
Sessional Examination 2					x	x	x
Assignment (Theory)		x	x	x		x	x
Online courses		x	x	x		x	x
University exam		x	x	x	x	x	x
Feedback Process		Course Feedback					
Reference Material		1. Marlow R. Dorothy, Redding A. Barbara, Marlow’s textbook of paediatric nursing, 6 th edition 2013, Elsevier. 2. Wong L. Donna, Hockenberry J. Marilyn, Wong’s Nursing Care of Infants and Children, 10 th edition, 2015, Elsevier. 3. Kyle T. Carman S. Essentials of Paediatric Nursing. Wolters Kluwer Health/Lippincott Williams & Wilkins, 2016 4. Ball J W, BindlerRC, Cowen K. Principles of Paediatric Nursing: Caring for Children, 6th Edition. 2015. Pearson Education. 5. Datta, P. (2014). Paediatric Nursing. 4 th Edition. New Delhi: Jaypee Brothers Medical Publishers.					

Name of the Institution / Department:

Manipal College of Nursing Manipal, Child Health (Paediatric) Nursing

Name of the Program:			BSc Nursing				
Course Title:			Child Health Nursing (Practical)				
Course Code: BSN304			Course Instructor:				
Academic Year: 2020-2021			Semester/Year: Third Year				
No of Hours: 270			Prerequisites: Nil				
Synopsis:		To develop knowledge and skill in providing nursing care to children in supervised clinical setting					
Course Outcomes (COs):		On successful completion of this course, students will be able to::					
CO 1:		Demonstrate nursing care to children with various medical disorders.					
CO 2:		Provide nursing care to neonate and children with various surgical conditions/malformations in paediatric surgical unit.					
CO 3:		Perform the assessment of children– health, developmental and anthropometric.					
CO 4:		Demonstrate skill in providing nursing care to critically ill children.					
CO 5:		Organize counselling and educate children and family in paediatric units.					
Mapping of COs to POs							
COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
CO 1	x	x	x			x	
CO 2	x	x	x			x	x
CO 3	x	x	x			x	
CO 4	x	x	x			x	x
CO 5	x	x	x			x	
Course content and outcomes:							
Content		Competencies				Weeks (Lab + Clinical)	
Paediatric Medicine Ward (PD1, PD2, PD3, PD5 Wards)							
Demonstrate nursing care to children with various medical disorders		• Perform health assessment - pediatric history collection, physical examination and assessment of children (C3, P2, A2) • Demonstrate administration of medications – oral, intravenous, intramuscular, subcutaneous and fluids (C3, P4, A3) • Discuss different strengths of intravenous fluids and fluid requirements (C3, P2) • Calculate paediatric drug and fluid requirement (C3, P2) • Demonstrate the application of restraints (C3, P3) • Demonstrate different methods of oxygen administration (C3, P2, A1) • Demonstrate baby bath (C3, P4, A2) • Demonstrate feeding techniques– katori, spoon (C3, P4) • Collect the specimens for common investigations (C2, P3)				3	

	• Assist the child during common diagnostic procedures (C2, P3, A2) • Conduct health teaching to mothers/parents regarding malnutrition, oral rehydration therapy, feeding and weaning, immunization schedule, play therapy, specific disease conditions (C3, P4, A2) • Provide counseling to adolescents in need (C3, P2, A2)	
Paediatric Surgery Ward (E3 Ward)		
Provide nursing care to neonate and children with various surgical conditions/malformations in paediatric surgical unit.	• Demonstrate pre and post-operative nursing care of children with various surgical conditions/malformations (C3, P3, A2) • Calculate, prepare and administer intravenous fluids (C3, P4, A2) • Perform bowel wash (C3, P2) • Assist in the care of children with ostomies – colostomy irrigation, ureterostomy, gastrostomy, enterostomy (C2, P2, A2) • Assist in urinary catheterization and drainage (C2, P2, A2) • Perform feeding techniques – nasogastric, gastrostomy, jejunostomy (C3, P2, A2) • Assist in surgical wound - dressing and suture removal (C2, P2 & A2)	3
Paediatric OPD/Immunization room		
Perform the assessment of children – health, developmental and anthropometric Counsel and educate children and family in paediatric units	• Perform health, developmental and anthropometric assessment of children (C3, P4, A2) • Assist in immunization of children (C3, P2, A2) • Provide health and nutritional education to children (C3, P2, A2)	1
Paediatric Medicine & Surgical ICU (NICU & E3 ICU)		
Demonstrate skill in providing nursing care to critically ill children	• Demonstrate nursing care to critically ill children (C2, P2, A4) • Assist in the care of children in incubator/warmer, ventilator, endotracheal suction, phototherapy (C2, P3, A2) • Demonstrate chest physiotherapy (C3, P2, A2) • Demonstrate administration of fluids with infusion pump (C3, P2, A2) • Assist in providing care to children receiving total parenteral nutrition, phototherapy (C3, P3, A2) • Monitor the critically ill children (C2, P4, A2) • Demonstrate cardiopulmonary resuscitation (C3,	1+1

	P3, A2)					
Learning strategies, contact hours and student learning time						
Learning strategy		Contact hours		Student learning time (Hrs)		
Demonstration (Lab posting)		40		20		
Clinical Practice -Direct patient care		170				
Self-directed learning (SDL)		05		10		
Case Presentation		05		05		
Small Group Discussion (SGD)		05		10		
Clinical Teaching		10				
Field visit/School health program/ Role play		05		05		
Nursing Rounds		05		05		
Procedure return demonstration		20		40		
Assessment (Model Practical Exam)		05		05		
TOTAL		270		100		
Assessment Methods:						
Formative:			Summative:			
Assignment (Care study, Growth & development Assessment)			University Practical exam			
OSCE						
Clinical ongoing evaluation						
Model Practical Exam						
Mapping of assessment with Cos						
Nature of assessment		CO 1	CO 2	CO 3	CO 4	CO 5
Assignment (Care study, Growth & development Assessment)		x	x	x	x	x
OSCE		x	x	x	x	x
Clinical ongoing evaluation		x	x	x	x	x
Model practical exam		x	x	x	x	x
University Practical exam		x	x	x	x	x
Feedback Process	Course Feedback					
Reference Material	1. Marlow R. Dorothy, Redding A. Barbara, Marlow’s textbook of paediatric nursing, 6th edition 2013, Elsevier. 2. Wong L. Donna, Hockenberry J. Marilyn, Wong’s Nursing Care of Infants and Children, 10th edition, 2015, Elsevier. 3. Kyle T. Carman S. Essentials of Paediatric Nursing. Wolters Kluwer Health/Lippincott Williams & Wilkins, 2016 4. Ball J W, BindlerRC, Cowen K. Principles of Paediatric Nursing: Caring for Children, 6th Edition. 2015. Pearson Education. 5. Datta, P. (2014). Paediatric Nursing. 4th Edition. New Delhi: Jaypee Brothers Medical Publishers.					

Assessment Mapping

Topics/Unit/Hour s	Competency Level	Impact	Frequency	I X F	Weightage	Marks	Set 1			Set 2			Set 3			Set 4			Set 5		
							Essay	SN (5 marks)	MCQ (1 mark)	Essay	SN (5 marks)	MCQ (1 mark)	Essay	SN (5 marks)	MCQ (1 mark)	Essay	SN (5 marks)	MCQ (1 mark)	Essay	SN (5 marks)	MCQ (1 mark)
Unit I - Introduction (15 hrs.)	C4, P3	1	3	3	0.09	7		5	2		5	2		5	2		5	2		5	2
Unit II - The healthy child (20 hrs.)	C4, P3	3	3	9	0.273	20	12	5	3	12	5	3	12	5	3	12	5	3	12	5	3
Unit III - Nursing care of a neonate (15 hrs.)	C3, P3	3	2	6	0.182	13		10	3		10	3		10	3		10	3		10	3
Unit IV - Integrated Management of Neonatal & Childhood Illness (IMNCI) (10 hrs.)	C2	2	1	2	0.061	5		5			5			5			5			5	
Unit V - Nursing management in common childhood diseases (20 hrs.)	C5																				
* Respiratory disorders & infections, Gastrointestinal infections, infestations & congenital disorders, Genitourinary disorders, Neurological disorders (Essay)		3	2	6	0.182	14	13		1	13		1	13		1	13		1	13		1
* Nutritional deficiency disorders, Cardiovascular disorders, Endocrine disorders, Orthopedic disorders, Disorders of skin, eye and ears, Pediatric oncology, Hematological disorders, Common communicable diseases in children, their identification, nursing management in hospital and home and prevention, Child health emergencies, Nursing care of infant and children with HIV/AIDS (Short notes)		2	2	4	0.121	9		5	4		5	4		5	4		5	4		5	4
Unit VI - Management of behavioral & social problems in children (10 hrs.)	C2	1	3	3	0.09	7		5	2		5	2		5	2		5	2		5	2
TOTAL				33	1	75	25	35	15	25	35	15	25	35	15	25	35	15	25	35	15

Summary	Impact	Frequency
Essay (2): 1x12= 12 marks, 1x13=13 marks Total: 25 marks	1=Nice to know	1=Rarely
Short note 7x5= 35 marks	2=Need to know	2=Relatively common
MCQ 15x1=15 marks	3=Must know	3=very common
Total=75 marks		

Name of the Institution / Department:

Manipal College of Nursing Manipal, Psychiatric (Mental Health) Nursing

Name of the Program:		B.Sc Nursing					
Course Title:		Mental Health Nursing (Theory)					
Course Code: BSN305		Course Instructor:					
Academic Year: 2020-2021		Semester/ Year: Third Year					
No of Hours: 90		Prerequisites: Nil					
Synopsis:	This course is designed for developing an understanding of the modern approach to mental health, identification, prevention and nursing management of common mental health problems with special emphasis on therapeutic interventions for individuals, family and community.						
Course Outcomes (COs):		On successful completion of this course, students will be able to:					
CO 1:		Discuss the concept of Mental health and mental illness and various approaches to assess mental Health and mental illness.					
CO 2:		Explain the aetiology psychopathology and clinical features and diagnostic criteria of mental illness.					
CO 3:		Explain the preventive strategies for mental illness and promotion of mental Health.					
CO 4:		Explain the therapeutic communication techniques with patient family and team members.					
CO 5:		Discuss therapeutic interventions for individual family and community.					
Mapping of COs to POs							
<i>COs</i>	<i>PO 1</i>	<i>PO 2</i>	<i>PO 3</i>	<i>PO 4</i>	<i>PO 5</i>	<i>PO 6</i>	<i>PO 7</i>
CO 1	x						
CO 2	x					x	
CO 3	x	x				x	x
CO 4		x	x	x	x		
CO 5	x	x	x	x			x
Course content and outcomes:							
<i>Content</i>			<i>Competencies</i>			<i>No of Hours</i>	
Unit 1: Introduction							
• Historical development & current trends in mental health nursing, • epidemiology of mental health problems, • National Mental Health Act, programmes • mental health policy, • scope of mental health nursing, • concept of normal & abnormal behaviour. • Role and Qualities of Mental Health /psychiatric Nurse • Concept of Normal and Abnormal Behaviour			• Explain the history of psychiatry in the world(C2P2) • Explain the history of psychiatry in India(C2P2) • Explain the history of mental health nursing in the world(C2P2) • Explain the history of mental health nursing in India(C2P2) • Explain the nature and scope of mental health nursing (C2P2) • Explain the perspectives of mental health, mental health nursing (C2P2)			5	

	• Explain the evolution of mental health services, treatments and nursing practices (C2P2) • Explain the current issues and trends in care(C2P2) • List prevalence and incidence of mental health problems and disorders(C1) • Explain Mental Health Act (C2P2) • Explain National Mental Health policy (C2P2) • Explain National Health Policy (C2P1) • Explain National Mental Health programme (NMHP) (C2P2) • List the mental health team members and its functions (C1) • Identify the role and functions of mental health nurse in various settings and factors affecting the level of nursing practice (C2P1) • Distinguish between concepts of normal and abnormal behaviour (C4, P1) • List the criteria for Mental Health (C1)	
Unit 2: Principles and Concepts of Mental Health Nursing		
• Terms used in mental health Nursing, • classification of mental disorder, psycho dynamics of maladaptive behaviour, • Etiological factors, psychopathology of mental disorders, Principles and standards of Mental Health Nursing, conceptual models of mental health nursing	• Define Mental health nursing and terminologies used (C1) • Classify of mental disorders according to ICD, DSM (C2) • Review the development of personality (C2) • List the defense mechanisms (C1) • Explain the maladaptive behavior of individuals and groups: stress, crisis and disaster(s) (C2, P2) • Describe the etiology: bio-psycho-social factors (C2, P1) • Explain the psychopathology of	5

	- mental disorders (C5, P2) - Review the structure and function of brain, limbic system and abnormal neurotransmission (C2) - List the principles of mental health nursing (C1) - Explain the standards of mental health nursing practice (C2, P2) - Describe the conceptual models (Existential, Psycho-analytical Behavioral and Interpersonal model) (C2, P1) - Apply the conceptual models in the care of mentally ill patients (C3,P3,A2)	
Unit 3: Assessment of Mental Health Status		
- History taking - Mental status examination - Mini mental status examination - Neurological examination: - Review Investigations: Related Blood chemistry, EEG, CT & MRI - Psychological tests, Role and - Responsibilities of nurse	- Describe the components of psychiatric history collection (C2, P1) - Display skill in history taking (P4, A5) - Describe the components of Mental status examination (C2, P1) - Explain mini mental status examination (C2, P1) - Review investigations: Related Blood chemistry, EEG, CT & MRI (C2) - Review various intelligence and personality test (C2) - Explain the role and responsibilities of nurse in the assessment of mental health status (C2P2)	8
Unit 4: Therapeutic Communication and Nurse-patient Relationship		
- Therapeutic communication: - Types, techniques, - characteristics - Types of relationship	- Define therapeutic communication (C1) - List the types of relationship (C1) - List the characteristics of therapeutic communication (C1)	6

• Ethics and responsibilities • Elements of nurse patient contract • Review of technique of IPR Johari Window • Goals, phases, tasks, therapeutic techniques • Therapeutic impasse and its intervention	• List the goals, phases and tasks of TNPR (C1) • Explain the therapeutic communication techniques (C6P2) • Describe the ethics and responsibilities of nurse (C1P1) • List the elements of nurse patient contract (C1) • Review Johari Window (C2) • Describe therapeutic impasse and its intervention (C2P1) • Define process recording(C1) • Explain the purposes of process recording (C5P2)	
Unit 5: Treatment Modalities and Therapies used in Mental Disorders		
• Psycho Pharmacology • Psychological therapies: Therapeutic community, Psychotherapy-Individual: psycho-analytical, cognitive and supportive, Family, Group, Behavioral, Play, Psycho-drama, Music, Dance, Recreational and Light therapy, Relaxation therapies: Yoga, Meditation, bio feedback Alternative systems of medicine • Occupational therapy - Physical Therapy: electro convulsive therapy - Geriatric considerations - Role of nurse in above therapies	• Define psycho-pharmacology(C1) • Explain the classification of psychopharmacological agents (C2P2) • Explain the role of a nurse in pharmacotherapy(C2P2) • Define the therapeutic community (C1) • List the indications of therapeutic community(C1) • Describe the elements and components of therapeutic community (C2P1) • List the advantages and disadvantages of therapeutic community(C1) • Explain the nurse's role in therapeutic community (C5P2) • Define psychotherapy (C1) • Describe the technique of psychotherapy(C2P1) • List the indication of psychotherapy(C1) • List the contraindication of	14

	psychotherapy(C1) • Explain the nurse's role in psychotherapy (C2P2) • Define cognitive therapy(C1) • Explain the principles of cognitive therapy(C2P2) • List the indications cognitive therapy(C1) • Describe the techniques of cognitive therapy(C2P1) • Explain the nurse's role in cognitive therapy (C2P2) • Define group therapy(C1) • Classify group therapy(C2) • Describe the techniques of group therapy(C2P1) • List the indications of group therapy(C1) • Explain the nurse's role in group therapy (C5P2) • Define behavior therapy(C1) • List the goals of behavior therapy (C1) • Explain the types and techniques of behavior therapy(C2P2) • List the indications of behavior therapy(C1) • Explain the nurse's role in behavioral therapy (C5P2) • Explain the meaning of play therapy (C2P2) • Classify play therapy (C2) • List the advantages and disadvantages of play therapy(C1) • List the indications of play therapy(C1) • Explain the nurse's role in play therapy (C5P2) • Define psychodrama(C1) • List the principles of psychodrama(C1)	
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	• Describe the phases of psychodrama(C2P1) • List the indications of psychodrama(C1) • Explain the nurse's role in psychodrama (C2P2) • Define music therapy (C1) • Define dance therapy (C1) • List the advantages of music and dance (C1) • Explain the nurse's role in music and dance therapy (C5P2) • Define light therapy (C1) • List the types (C1) • Explain the action of light therapy(C2P2) • List the indications of light therapy(C1) • List the side effects of light therapy(C1) • Explain the nurse's role in Light therapy (C5P2) • Define relaxation therapy (C1) • Explain the types relaxation therapy (C2P2) • Explain the nurse's role in relaxation therapy (C5P2) • Define alternative system of medicine (C1) • List the types of alternative system of medicine(C1) • Define occupational therapy (C1) • List the types of occupational therapy(C1) • Explain the techniques of occupational therapy • List the advantages of occupational therapy(C1) • List the disadvantages of occupational	
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	therapy(C1) • Explain the nurse's role in occupational therapy (C5P2) • Define electroconvulsive therapy (C1) • Explain the action of ECT(C2P2) • Explain the types and techniques of ECT • Explain the nurse's role in ECT (C5P2) • List the indications and contraindication of ECT (C1) • Explain the geriatric considerations in the application of therapies (C2P2) • Apply the knowledge of therapies in the care of psychiatric patients (C3B3A2)	
Unit 6: Nursing Management of Patient with Schizophrenia, and other Psychotic Disorders		
• Classification: ICD • Etiology, psycho-pathology, types, clinical manifestations, diagnosis • Nursing Assessment: History, Physical and mental • assessment • Treatment modalities and nursing management of patients with Schizophrenia and other psychotic disorders • Geriatric considerations • Follow-up and home care and rehabilitation	Schizophrenia • Define schizophrenia (C1) • Describe the epidemiology of schizophrenia and other psychotic disorders(C2P1) • Classify schizophrenia according to ICD(C2) • Explain the etiology of schizophrenia (C2P2) • Describe psycho-pathology of schizophrenia(C2P1) • Identify various types of schizophrenia (C2P1) • List the clinical manifestations of schizophrenia(C1) • Enumerate the diagnostic criteria for schizophrenia (C1P1) • Explain various therapies and treatment modalities used in the management of schizophrenia(C2P2) • Explain the nursing management of patients with Schizophrenia (C5P2)	5

	• Explain the geriatric considerations in the management of schizophrenia (C2P2) • Explain follow-up, home care and rehabilitation of patients with schizophrenia. (C2P2)	
Unit 7: Nursing Management of Patient with Mood Disorders		
• Mood disorders: Bipolar affective disorder, Mania depression and dysthymia etc. • Etiology, psycho-pathology, • clinical manifestations, • diagnosis • Nursing Assessment History, Physical and Mental assessment • Treatment modalities and nursing management of patients with mood disorders • Geriatric considerations • Follow-up and home care and rehabilitation	I. Mood Disorders • Define Mania, Depression, Dysthymia and Bipolar Affective Disorder (BPAD), (C1) • Describe the epidemiology of mood disorders(C2P1) • Classify mood disorders according to ICD(C2) Mania • Explain the etiology of Mania(C2P2) • Describe psycho-pathology of mania(C2P1) • Identify various types of mania(C2P1) • List the clinical manifestations of mania(C1) • Enumerate the diagnostic criteria for mania(C1P1) • Explain various therapies and treatment modalities used in the management of mania(C2P2) • Explain the nursing management of patients with mania(C5P2) • Explain the geriatric considerations in the management of mania (C2P2) • Explain follow-up, home care and rehabilitation of patients with mania (C2P2) Depression • Explain the etiology of Depression(C2P2) • Describe psycho-pathology of	5

	Depression(C2P1) • Identify various types of Depression(C2P1) • List the clinical manifestations of Depression(C1) • Enumerate the diagnostic criteria for Depression(C1P1) • Explain various therapies and treatment modalities used in the management of Depression • Differentiate between dysthymia and Cyclothymia (C2P1) • Explain the nursing management of patients with Depression (C2P2) • Explain the geriatric considerations in the management of Depression (C2P2) • Explain follow-up, home care and rehabilitation of patients with Depression (C2P2) <i>Bipolar Affective Disorder (BPAD)</i> • Explain the etiology of BPAD(C2P2) • Describe psycho-pathology of BPAD(C2P1) • Identify various types of BPAD(C2P1) • List the clinical manifestations of BPAD(C1) • Enumerate the diagnostic criteria for BPAD(C1P1) • Explain various therapies and treatment modalities used in the management of BPAD(C2P2) • Explain the nursing management of patients with BPAD (C5P2) • Explain the geriatric considerations in the management of BPAD (C2P2) • Explain follow-up, home care and rehabilitation of patients with BPAD (C2P2)	
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	Recurrent Depressive Disorder (RDD) • List the clinical manifestations of RDD (C1) • Enumerate the diagnostic criteria for RDD (C1P1) • Explain various therapies and treatment modalities used in the management of RDD (C2P2) • Explain the nursing management of patients with RDD (C5P2) • Explain the geriatric considerations in the management of RDD C2P2) • Explain follow-up, home care and rehabilitation of patients with RDD (C2P2) Persistent Mood Disorder • List the clinical manifestations of persistent mood disorder(C1) • Enumerate the diagnostic criteria for persistent mood disorder(C1P1) • Explain various therapies and treatment modalities used in the management of persistent mood disorder(C2P2) • Explain the nursing management of patients with persistent mood disorder(C5P2) • Explain the geriatric considerations in the management of persistent mood disorder C2P2) • Explain follow-up, home care and rehabilitation of patients with persistent mood disorder (C2P2)	
Unit 8: Nursing Management of Patient with Neurotic, Stress Related and Somatization Disorders		
• Anxiety disorder, Phobias, Dissociation and Conversion disorder, Obsessive compulsive disorder, Somatoform disorders, Post-traumatic stress disorder • Etiology, psycho-pathology,	Anxiety Disorders • Define Anxiety disorder (C1) • Describe the epidemiology of anxiety disorder(C2P1) • Classify anxiety disorder according to	8

clinical manifestations, diagnosis • Nursing Assessment History, Physical and Mental assessment • Treatment modalities and nursing management of patients with neurotic, stress related and somatization disorders • Geriatric considerations • Follow-up and home care and rehabilitation	ICD(C2) • Explain the etiology of anxiety disorder(C2P2) • Describe psycho-pathology of anxiety disorder • Identify various types of anxiety disorder(C2P1) • List the clinical manifestations of anxiety disorder(C1) • Enumerate the diagnostic criteria for anxiety disorder(C1P1) • Explain various therapies and treatment for anxiety disorder(C2P2) • Explain the geriatric considerations in the management of anxiety disorder, (C2P2) • Explain the nursing management of patients with anxiety disorder (C5P2) • Explain follow-up, home care and rehabilitation of patients with anxiety disorder (C2P2) Phobic Disorders • Define phobias (C1) • Describe the epidemiology of phobic disorder(C2P1) • Explain the etiology of phobias(C2P2) • Describe psycho-pathology of phobias(C2P1) • Identify various types of phobias(C2P1) • List the clinical manifestations of phobias(C1) • Enumerate the diagnostic criteria for phobias (C1P1) • Explain various therapies and treatment for phobias(C2P2) • Explain the geriatric considerations in the management of phobias (C2P2)	
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	• Explain the nursing management of patients with phobias (C5P2) • Explain follow-up, home care and rehabilitation of patients with phobias (C2P2) Dissociation and Conversion Disorder • Define dissociation and conversion disorder (C1) • Describe the epidemiology of dissociation and conversion disorder (C2P1) • Classify dissociation and conversion disorder (C2) • Explain the etiology of dissociation and conversion disorder (C2P2) • Describe psycho-pathology of dissociation and conversion disorder (C2P1) • List the clinical manifestations of dissociation and conversion disorder (C1) • Enumerate the diagnostic criteria for dissociation and conversion disorder (C1P1) • Explain various therapies and treatment for dissociation and conversion disorder (C2P2) • Explain the geriatric considerations in the management of dissociation and conversion disorder (C2P2) • Explain the nursing management of patients with dissociation and conversion disorder (C5P2) • Explain follow-up, home care and rehabilitation of patients with dissociation and conversion disorder (C2P2) Somatoform Disorders • Define somatoform Disorders (C1)	
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	• Describe the epidemiology of somatoform disorders (C2P1) • Explain the etiology of somatoform disorder(C2P2) • Describe psycho-pathology of somatoform (C2P1) disorders • Identify various types of Somatoform disorders(C2P1) • List the clinical manifestations of somatoform disorder(C1) • Enumerate the diagnostic criteria for somatoform disorders(C1P1) • Explain various therapies and treatment for somatoform disorders(C2P2) • Explain the geriatric considerations in the management of somatoform disorders (C2P2) • Explain the nursing management of patients with somatoform disorders (C5P2) • Explain follow-up, home care and rehabilitation of patients with somatoform disorders (C2P2) Post-Traumatic Stress Disorders (PTSD) • Define PTSD (C1) • Describe the epidemiology of PTSD(C2P1) • Explain the etiology of PTSD (C2P2) • Describe psycho-pathology of PTSD(C2P1) • List the clinical manifestations of PTSD(C1) • Enumerate the diagnostic criteria for PTSD (C1P1) • Explain various therapies and treatment for PTSD(C2P2) • Explain the geriatric considerations in	
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	the management of PTSD (C2P2) • Explain the nursing management of patients with PTSD (C5P2) • Explain follow-up, home care and rehabilitation of patients with PTSD (C2P2) Obsessive Compulsive Disorder (OCD) • Define OCD (C1) • Describe the epidemiology of OCD (C2P1) • Explain the etiology of OCD (C2P2) • Describe psycho-pathology of OCD (C2P1) • Identify various types of OCD (C2P1) • List the clinical manifestations of OCD (C1) • Enumerate the diagnostic criteria for OCD (C1P1) • Explain various therapies and treatment for OCD(C2P2) • Explain the geriatric considerations in the management of Obsessive compulsive disorder (C2P2) • Explain the nursing management of patients with obsessive compulsive disorder (C5P2) • Explain follow-up, home care and rehabilitation of patients with obsessive compulsive disorder (C2P2)	
Unit 9: Nursing Management of Patient with Substance Use Disorders		
• Commonly used psychotropic substance: Classification, forms, routes, action, intoxication and withdrawal • Etiology of dependence: tolerance, psychological and	Substance Use Disorders • Define substance use and misuse(C1) • Classify psychotropic substance(C2) • Describe the epidemiology of psychotropic substances(C2P1) • Explain the etiology of psychotropic	5

physical dependence, withdrawal syndrome, diagnosis • Nursing Assessment-History, Physical, Mental assessment and drug assay • Treatment (detoxification, antabuse and narcotic antagonist therapy and harm reduction) and nursing management of patients with substance use disorders • Geriatric considerations • Follow-up and home care and rehabilitation	substances (C2P2) • List the forms, routes, action, intoxication and withdrawal of psychotropic substances(C1) • Explain the concepts of intoxication, tolerance, psychological and physical dependence, and withdrawal syndrome (C2P2) Alcohol Dependence Syndrome • Describe the etiology of Alcohol Dependence Syndrome (ADS) (C2P1) • Identify various types of alcoholism (C2P1) • List the clinical manifestations of ADS(C1) • Enumerate the diagnostic criteria for ADS(C1P1) • Explain various therapies and treatment for ADS(C2P2) • Explain the nursing management of patients with patients with substance use disorders (C5P2) • Explain the geriatric considerations in the management of patients with substance use disorders(C2P2) • Explain follow-up, home care and rehabilitation of patients with substance use disorders(C2P2)	
Unit 10: Patient with Personality, Sexual and Eating Disorders		
• Classification of disorders • Etiology, psycho-pathology, characteristics, diagnosis • Nursing Assessment History, Physical and mental assessment • Treatment modalities and nursing	Personality Disorders • Define personality disorders (C1) • Describe the epidemiology of personality disorders(C2P1) • Explain the types of personality disorders according to ICD(C2P2) • Explain the etiology of personality	4

management of patients with Personality, • Sexual and Eating disorders • Geriatric considerations • Follow-up and home care and rehabilitation	disorders(C2P2) • Describe psycho-pathology of personality disorders(C2P1) • Enumerate the diagnostic criteria for personality disorders(C1P1) • Explain various therapies and treatment modalities used in the management of personality disorders(C2P2) • Explain the nursing management of patients with personality disorders(C5P2) • Explain the geriatric considerations in the management of patients with personality disorders • Explain follow-up, home care and rehabilitation of patients with personality disorders(C2P2) Sexual Disorders • Define sexual disorders (C1) • Describe the epidemiology of sexual disorders (C2P1) • Explain the types of sexual disorders according to ICD(C2P2) • Explain the etiology of sexual disorders (C2P2) • Describe psycho-pathology of sexual disorders (C2P1) • Enumerate the diagnostic criteria for sexual disorders (C1P1) • Explain various therapies and treatment modalities used in the management of sexual disorders(C2P2) • Explain the nursing management of patients with sexual disorders (C2P2) • Explain the geriatric considerations in the management of patients with sexual disorders(C2P2) • Explain follow-up, home care and	
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	rehabilitation of patients with sexual disorders(C2P2) Disorders Related to Eating • Describe the epidemiology of eating disorders (C2P1) • Explain the types of eating disorders according to ICD(C2P2) • Explain the etiology of eating disorders (C2P2) • Describe psycho-pathology of eating disorders (C2P1) • Enumerate the diagnostic criteria for sexual disorders (C1P1) • Explain various therapies and treatment modalities used in the management of eating disorders (C2P2) • Explain the nursing management of patients with eating disorders (C5P2) • Explain the geriatric considerations in the management of patients with eating disorders (C2P2) • Explain follow-up, home care and rehabilitation of patients with eating disorders (C2P2)	
Unit 11: Nursing Management of Childhood and Adolescent Disorders including Mental Deficiency		
• Etiology, psycho- pathology, clinical manifestations, diagnostic criteria and management of childhood and adolescent disorders including mental deficiency	Disorders of childhood and adolescence • Explain the general etiological factors of psychiatric disorders in children (C2P2) Pervasive developmental disorder • Define pervasive developmental disorder (PDD) (C1) • Explain the epidemiology of PDD (C2P2) • Describe the etiology of PDD(C2P1) • List the types of PDD (C1)	6

	• Enumerate the clinical features of PDD(C1P1) • Identify the differential diagnosis of PDD(C2P1) • Explain various therapies and treatment modalities used in the management of PDD(C2P2) • Explain the nursing management of child with PDD (C5P2) • Explain follow-up, home care and rehabilitation of child with PDD (C2P2) Disorders Related to Specific Developmental Skills • State the meaning of Specific Developmental Disorder (SDD) (C1) • Explain the epidemiology of SDD • Describe the etiology of SDD(C2P1) • Explain the types of SDD(C2P2) • Enumerate the clinical features of SDD(C1P1) • Identify the differential diagnosis of SDD(C2P1) • Explain various therapies and treatment modalities used in the management of SDD(C2P2) • Explain the nursing management of child with SDD (C5P2) Attention Deficit Hyperactivity Disorder • Define Attention Deficit Hyperactivity Disorder (ADHD) (C1) • Explain the epidemiology of ADHD (C2P2) • Describe the etiology of	
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	ADHD(C2P1) • Explain the types of ADHD (C2P2) • Enumerate the clinical features of ADHD(C1P1) • Identify the differential diagnosis of ADHD(C2P1) • Explain various therapies and treatment modalities used in the management of ADHD (C2P2) • Explain the nursing management of child with ADHD (C5P2) Conduct Disorder • State the meaning in of Conduct Disorder (C1) • Explain the epidemiology of Conduct Disorder(C2P2) • Describe the etiology of Conduct Disorder(C2P1) • Explain the types of Conduct Disorder(C2P2) • Enumerate the clinical features of Conduct Disorder(C1P1) • Identify the differential diagnosis of Conduct Disorder(C2P1) • Explain various therapies and treatment modalities used in the management of Conduct Disorder (C2P2) • Explain the nursing management of child with Conduct Disorder (C5P2) Intellectual Disability (Mental Retardation) • Define Intellectual Disability (Mental Retardation) (C1) • Explain the epidemiology of Intellectual Disability (Mental Retardation)(C2P2)	
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	• Describe the etiology of Intellectual Disability (C2P1) • Explain the types of Intellectual Disability (C2P2) • Enumerate the clinical features of Intellectual Disability (C1P1) • Identify the differential diagnosis of Intellectual Disability (C2P1) • Explain various therapies and treatment modalities used in the management of Intellectual Disability (C2P2) • Explain the nursing management of child with Intellectual Disability (C5P2)	
Unit 12: Nursing Management of organic Brain Disorders		
• Classification: ICD • Etiology, psycho-pathology, clinical features, diagnosis and Differential diagnosis (Parkinson's and Alzheimer's) • Nursing Assessment History, Physical, mental and neurological assessment • Treatment modalities and nursing management of organic brain disorders • Geriatric considerations • Follow-up and home care and rehabilitation	Delirium • Define delirium (C1) • Describe the epidemiology of delirium(C2P1) • Explain the etiology of delirium (C2P2) • Enumerate the clinical features of delirium (C1P1) • Discuss the diagnostic criteria of delirium(C2P1) • Explain various therapies and treatment modalities used in the management of delirium (C2P2) • Explain the nursing management of patient with delirium(C5P2) • Explain the geriatric considerations in the management of patients with delirium (C2P2) • Explain follow-up, home care and rehabilitation of patients with delirium(C2P2)	5

	Dementia • Define dementia(C1) • Describe the epidemiology of dementia(C2P1) • Explain the etiology of dementia(C2P2) • Explain the types of dementia(C2P2) • Enumerate the clinical features of dementia(C1P1) • Discuss the diagnostic criteria of dementia(C2P1) • Distinguish between delirium and dementia (C2C4P1) • Explain various therapies and treatment modalities used in the management of dementia(C2P2) • Explain the nursing management of patient with dementia(C5P2) • Explain the geriatric considerations in the management of patients with dementia(C2P2) • Explain follow-up, home care and rehabilitation of patients with dementia (C2P2) Organic Amnestic Syndrome • Define organic amnestic syndrome(C1) • Describe the epidemiology of organic amnestic syndrome(C2P1) • Explain the etiology of organic amnestic syndrome(C2P2) • Explain the types of organic amnestic syndrome(C2P2) • Enumerate the clinical features of	
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	organic amnestic syndrome (C1P1) • Discuss the diagnostic criteria of organic amnestic syndrome(C2P1) • Distinguish between delirium and organic amnestic syndrome(C2C4P1) • Explain various therapies and treatment modalities used in the management of organic amnestic syndrome(C2P2) • Explain the nursing management of patient with organic amnestic syndrome(C5P2) • Explain the geriatric considerations in the management of patients with organic amnestic syndrome(C2P2) • Explain follow-up, home care and rehabilitation of patients with organic amnestic syndrome(C2P2)	
Unit 13: Psychiatric emergencies and Crisis Intervention		
• Types of psychiatric emergencies and their management • Stress adaptation Model: stress and stressor, coping, resources and mechanism • Grief: Theories of grieving process, principles, techniques of counselling • Types of crisis • Crisis Intervention: • Principles, Techniques and Process • Geriatric considerations	Psychiatric emergencies • Explain the meaning of psychiatric emergencies(C2P2) • Explain the types of psychiatric emergencies (C2P2) • Explain the types of suicide (C2P2) • Explain the strategies for prevention of suicide(C2P2) • Explain the management of stupor(C2P2) • Explain the management of aggressive behavior (C2P2) • Demonstrate self-defense skills (C3A3) • Explain the geriatric consideration in	5

• Role and responsibilities of nurse	management of psychiatric emergencies(C2P2) • Explain the role and responsibilities of nurse in management of psychiatric emergencies(C5P2) Stress Adaptation Model • Define Stress(C1) • Explain coping resources(C2P2) • Describe the coping mechanisms(C2P1) • Explain Stress Adaptation Model(C2P2) Grief • Define Grief(C1) • Explain theories of grieving process (C2P2) • List the principles of counselling(C1) • Enumerate the techniques of counselling(C1P1) Crisis Intervention • Define crisis (C1) • List the types of crisis(C1) • Explain phases in the development of crisis(C2P2) • Explain crisis Intervention principles (C2P2) • Describe crisis intervention techniques (C2P1) • Explain the process of crisis intervention (C2P2) • Explain the geriatric consideration in crisis intervention (C2P2) • Explain the role and responsibilities of nurse in management of crisis(C5P2) • Manage suicidal and homicidal client (P2P5P7)	
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Unit 14: Legal issues in Mental Health Nursing		
• The Mental Health Act 1987: Act, Sections, Articles and their implications etc. • Indian Lunacy Act 1912 • Rights of mentally ill clients • Forensic psychiatry • Acts related to narcotic and psychotropic substances and illegal drug trafficking • Admission and discharge procedures • Role and responsibilities of nurse	• Explain the Mental Health Act 1987: Act- Sections (C2P2) • Explain the Mental Health Act 1987: - Articles (C2P2) • Describe the implication of Indian Mental Health Act (C2P1) • Explain the advantages and disadvantages of Indian Mental Health Act 1987 (C2P2) • Perform admission and discharge procedure (P5, A2, A5) • Explain the Indian Lunacy Act 1912 (C2P2) • Explain the advantages and disadvantages of Indian Lunacy Act 1912 (C2P2) • Describe the implication of Indian Lunacy Act (C2P1) • Describe the rights of mentally ill clients (C2P1) • State the meaning of Forensic psychiatry (C1) • Explains civil responsibility (C2P2) • Explain criminal responsibility (C2P2) • State McNaughton's Law (C1) • Explain the legal role and responsibilities of nurse in managing patient with psychiatric illness (C5P2) • Describe Narcotic and Psychotropic Substances Act (C2P1)	4
Unit 15: Community Mental Health Nursing		
• Development of Community Mental Health Services: • National Mental Health Programme • Institutionalization Versus Deinstitutionalization	• Explain development of community mental health services (C2P2) • Explain National Mental Health Programme (NMHP) (C2P2) • Describe the needs of	4

• Model of Preventive psychiatry: Levels of Prevention • Mental Health Services available at the primary, secondary, tertiary levels including rehabilitation and Role of nurse • Mental Health Agencies: Government and voluntary, National and International • Mental health nursing issues for special populations: Children, Adolescence, Women, Elderly, Victims of violence and abuse, Handicapped, HIV/AIDS etc	NMHP(C2P1) • List the goals of NMHP(C1) • Explain the strategies of NMHP(C2P2) • Describe the role of nurse in NMHP(C5P1) • State the meaning of Institutionalization and Deinstitutionalization(C1) • Explain the advantages and dis advantages of Institutionalization and Deinstitutionalization (C2P2) • Explain levels of prevention and role of a nurse(C5P2) • Describe government mental health agencies (C2P1) • Describe Mental Health Services available at the primary, secondary, tertiary levels including rehabilitation (C2P1) • Describe Mental Health Agencies at Government voluntary, National and International level(C2P1) • Explain Mental health nursing issues for special populations: Children, Adolescence, Women, Elderly, Victims of violence and abuse, Handicapped, HIV/AIDS etc. (C2P2)	
Learning strategies, contact hours and student learning time		
<i>Learning strategy</i>	<i>Contact hours</i>	<i>Student learning time (Hrs)</i>
Lecture	90	180
Seminar		
Small Group Discussion (SGD)	04	08
Self-directed learning (SDL)	14	28
Problem Based Learning (PBL)		
Case Based Learning (CBL)		

Clinic					
Practical					
Revision	03	10			
Assessment	06	12			
TOTAL	117	238			
Assessment Methods:					
Formative:		Summative:			
Class tests and Sessional examination		University examination			
Assignments					
Coursera –Online Course					
Mapping of assessment with Cos					
Nature of assessment	CO 1	CO 2	CO 3	CO 4	CO 5
Sessional Examination 1	x	x	x	x	x
Sessional Examination 2		x	x		x
Quiz	x	x	x	x	x
Assignment/Presentation				x	
University Examination	x	x	x	x	x
Feedback Process	● Course Feedback				
Reference Material	1. Norman Keltner, Debbie Steele, Psychiatric Nursing, Mosby 2. Benjamin J. Sadock, Virginia A. Sadock, Pedro Ruiz, Kaplan & Sadock's Comprehensive Textbook of Psychiatry, Wolters Kluwer Health/Lippincott Williams & Wilkins. 3. Gail Wiscarz Stuart, Principles and Practice of Psychiatric Nursing, Elsevier Health Sciences. 4. Mary C Townsend, Karyn I Morgan, Psychiatric Mental Health Nursing: Concepts of Care in Evidence-Based Practice, F.A. Davis 5. Benjamin J. Sadock, Virginia A. Sadock, Kaplan and Sadock's Synopsis of Psychiatry, Lippincott Williams & Wilkins 6. Niraj Ahuja, A Short Textbook of Psychiatry. Jaypee Brothers				

Name of the Institution / Department:

Manipal College of Nursing Manipal, Psychiatric (Mental Health) Nursing

Name of the Program:		B.Sc. Nursing					
Course Title:		Mental Health Nursing (Practical)					
Course Code: BSN306		Course Instructor:					
Academic Year: 2020-2021		Semester/ Year: Third Year					
No of Hours: 270		Prerequisites: The student should have completed first and second phase of their course					
Synopsis:	This course is designed for developing an understanding of the modern approach to mental health, identification, prevention and nursing management of common mental health problems with special emphasis on therapeutic interventions for individuals, family and community.						
Course Outcomes (COs):		On successful completion of this course, students will be able to:					
CO 1:		Perform various approaches to assess mental Health and mental illness.					
CO 2:		Formulate the best preventive strategies for mental illness and promotion of mental Health.					
CO 3:		Perform effective therapeutic communication techniques.					
CO 4:		Perform the steps of Nursing process in the care of people with mental illness.					
CO 5:		Perform therapeutic interventions for individual family and community.					
Mapping of COs to POs							
<i>COs</i>	<i>PO 1</i>	<i>PO 2</i>	<i>PO 3</i>	<i>PO 4</i>	<i>PO 5</i>	<i>PO 6</i>	<i>PO 7</i>
CO 1	x	x				x	
CO 2	x	x				x	x
CO 3			x	x	x		
CO 4	x	x	x	x		x	
CO 5	x	x	x	x			x
Course content and outcomes:							
<i>Content</i>			<i>Competencies</i>			<i>No of Hours</i>	
Psychiatric OPD							
Psychiatric OPD			• Display skill in history taking (P4A5) • Perform Mental status examination (P5, A5) • Perform Mini mental status examination (P5, A5) • Perform Neurological examination (P5, A5) • Review Investigations: Related Blood chemistry, EEG, CT & MRI (C2) • Interpret the results of psychological tests (C3) • Identify the role and functions of				30

	mental health nurse in various settings and factors affecting the level of nursing practice (C5P1) • Perform Psychoeducation for patient and family (P5,A5)	
Child Guidance Clinic		
	• Display skill in history taking (P4A5) • Perform Mental status examination (P5, A5) • Perform Mini mental status examination (P5, A5) • Interpret the results of psychological tests (C3) • Perform Psychoeducation for patient and family (P5A5)	30
Inpatient Wards		
	• Display skill in history taking (P4A5) • Perform skill in collecting history related to psychotropic substances (P5, A5) • Perform Mental status examination (P5, A5) • Perform Mini mental status examination (P5, A5) • Perform Neurological examination (P5, A5) • Interpret the results of psychological tests (C3) • Identify the role and functions of mental health nurse in various settings and factors affecting the level of nursing practice (C5P1) • Perform Psychoeducation for patient and family (P5, A5) • Perform process recording (P5, A5) • Perform and Record therapeutic communication (P5, A5) • Apply the knowledge of therapies in	180

	the care of psychiatric patients (C3P3A2) • Perform comprehensive care to the patients (P5, A5) • Perform activity and recreation therapy (P5, A5) • Perform nursing care during pre intra and post ECT (P5, A5) • Perform admission and discharge counselling (P5, A5) • Perform assessment of activities of daily living (P5, A5) • Perform counseling services to patients and family (P5, A5) • Perform admission and discharge procedure (P5, A5)	
Community Psychiatry		
	• Display skill in history taking (P4A5) • Perform Mental status examination (P5, A5) • Perform Mini mental status examination (P5, A5) • Perform Casework (P5, A5) • Conduct home visit to identify people with mental Health problems (P5, A5) • Perform Psychoeducation for patient and family (P5, A5)	30
Learning strategies, contact hours and student learning time		
<i>Learning strategy</i>	<i>Contact hours</i>	<i>Student learning time (Hrs)</i>
Lecture	NA	NA
Seminar	NA	NA
Small Group Discussion (SGD)	NA	NA
Self-directed learning (SDL)	NA	NA
Problem Based Learning (PBL)	NA	NA
Direct patient care	205	
Clinical teaching	40	30
Bed side discussion	20	10
Assessment	5	10
TOTAL	270	50

Assessment Methods:					
Formative:			Summative:		
Assignments/presentations			University Practical examination		
Quiz					
Model practical examination					
Mapping of assessment with Cos					
Nature of assessment	CO 1	CO 2	CO 3	CO 4	CO 5
Model Examination	x	x	x	x	x
Psychoeducation			x	x	x
Mental Status Examination Demonstration		x			
Case Presentation	x	x	x	x	x
Clinical Ongoing Evaluation	x	x	x	x	x
Annual Practical Examination	x	x	x	x	x
Feedback Process	Course Feedback				
Reference Material	1. Norman Keltner, Debbie Steele, Psychiatric Nursing, Mosby 2. Benjamin J. Sadock, Virginia A. Sadock, Pedro Ruiz, Kaplan & Sadock's Comprehensive Textbook of Psychiatry, Wolters Kluwer Health/Lippincott Williams & Wilkins. 3. Gail Wiscarz Stuart, Principles and Practice of Psychiatric Nursing, Elsevier Health Sciences. 4. Mary C Townsend, Karyn I Morgan, Psychiatric Mental Health Nursing: Concepts of Care in Evidence-Based Practice, F.A. Davis 5. Benjamin J. Sadock, Virginia A. Sadock, Kaplan and Sadock's Synopsis of Psychiatry, Lippincott Williams & Wilkins 6. Niraj Ahuja, A Short Textbook of Psychiatry. Jaypee Brothers				

Assessment Mapping

Topics/Unit	Competency level	Impact	Frequency	I X F	Weightage	Marks	Set 1			Set 2			Set 3			Set 4			Set 5		
							Essay	SN	MCQ	Essay	SN	MCQ	Essay	SN	MCQ	Essay	SN	MCQ	Essay	SN	MCQ
Introduction, principles and concepts of Mental Health	C1, C2,C3	1	1	1	0.0323	2	0	0	2	0	0	2	0	0	2	0	0	2	0	0	2
Assessment of Mental Health Status	C1, C2, C3, C4, C5	3	2	6	0.1935	15	0	15	0	0	15	0	0	15	0	0	15	0	0	10	5
Therapeutic Communication and Nurse patient relationship	C1, C2, C3, C4, C5, C6	1	1	1	0.0323	2	0	0	2	0	0	2	0	0	2	0	0	2	0		2
Treatment modalities and therapies used in mental disorders	C1, C2, C3, C4, C5	3	3	9	0.2903	22	12	10	0	13	5	4	12	10	0	13	5	4	12	10	0
Schizophrenia, other Psychotic disorders, mood disorders, neurotic stress and somatization disorders	C1, C2, C3, C4, C5	3	3	9	0.2903	22	13	5	4	12	5	5	13	5	4	12	10	0	13	5	4
Substance use disorders, personality sexual and eating disorders	C1, C2, C3, C4, C5	1	1	1	0.0323	2	0	0	2	0	0	2	0	0	2	0	0	2	0		2
Childhood and adolescent disorders and Intellectual disability and organic brain disorders	C1, C2, C3, C4, C5	2	1	2	0.0645	5	0	5	0	0	5	0	0	0	5	0	0	5	0	5	0
Psychiatric emergency, crisis intervention, legal issues in MHN, community mental Health Nursing	C1, C2, C3, C4, C5	2	1	2	0.0645	5	0	0	5	0	5	0	0	5	0	0	5	0	0	5	0
Total				31		75	25	35	15	25	35	15	25	35	15	25	35	15	25	35	15

Summary	Impact	Frequency
Essay (2): 1x12= 12 marks, 1x13=13 marks Total: 25 marks	1=Nice to know	1=Rarely
Short note 7x5= 35 marks	2=Need to know	2=Relatively common
MCQ 15x1=15 marks	3=Must know	3=very common
Total=75 marks		

Name of the Institution / Department:

Manipal College of Nursing Manipal, Medical Surgical Nursing

Name of the Program:		B.Sc. Nursing					
Course Title:		Geriatric Nursing					
Course Code: BSN307		Course Instructor:					
Academic Year: 2020-2021		Semester/ Year: Third Year					
No of Hours: 35+40 (P)		Prerequisites: Nil					
Synopsis:	• This course is designed to help the students to develop an understanding about the common health problems of geriatric clients. • To provide fundamental knowledge and skills in comprehensive geriatric assessment and care.						
Course Outcomes (COs):		On successful completion of this course, students will be able to:					
CO 1:		• Explain the concepts and theories of ageing					
CO 2:		• Demonstrate skills in comprehensive geriatric health assessment					
CO 3:		• Explain the psycho-social needs of elderly considering the cultural differences.					
CO 4:		• Explain comprehensive nursing skills for the elderly with different health conditions					
CO 5:		• Discuss the elderly abuse and neglect					
CO 6:		• Identify various rehabilitative measures for elderly					
CO 7:		• Prepare patient and family during Palliative care, end of life, loss& bereavement.					
Mapping of COs to POs							
COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
CO 1	x						
CO 2	x	x	x			x	
CO 3	x	x	x			x	
CO 4	x	x	x			x	x
CO 5	x	x	x			x	
CO 6	x	x	x			x	
CO 7:	x	x	x			x	
Course content and outcomes:							
Content			Competencies				No of Hours
Unit 1: Introduction							
Concepts and global trends of aging, Epidemiological statistics, Theories of aging, Assessment of elderly, Ethical and legal issues related to care of elderly			• Explain the concepts and global trends of ageing(C2) • Recognise the epidemiological statistics of older adults (C1) • Describe the theories of ageing (C2) • Demonstrate skills in comprehensive geriatric health assessment (C3, P2, A2)				3 + 3 (P)

	• Discuss the ethical & legal issues related to elderly (C2)	
Unit 2: Basic skills for Gerontological Nursing		
Health promotion and health maintenance, Communication, Nutrition and fluid balance, Meeting elimination needs, Care of skin and mucous membrane, Activity and exercise, sleep and rest, Safety needs, and Medications and elderly	• Recognize the normal body system changes in elderly (C2, P1, A1) • Employ different health promotion and health maintenance activity among elderly (C3, P3, A2) • Demonstrate effective ways of communication with elderly person (C3, P1, A3) • Explain the nutritional and fluid requirements for elderly (C5) • Discuss the measures to meet elimination needs of elderly (C2) • Demonstrate skills in care of skin and mucous membrane among elderly (C3, P1, A3) • Demonstrate effective ways of activity and exercise plans for elderly (C3, P1, A3) • Explain various measures to enhance sleep & rest among elderly (C2, P1, A1) • Employ the safety needs for elderly (C3, P1, A1) • Practice safe medication administration to elderly (C3, P3, A1)	10 + 10 (P)
Unit 3: Psychosocial care of the elderly		
Cognition, Perception, Self-concept, Roles and relationships, Stress and coping affecting psychosocial care of elderly	• Recognize the cognitive changes in care of elderly (C2, P1) • Discuss the concepts of perception and self-concept of elderly (C2) • Explain the psychosocial needs of elderly considering the cultural differences (C2, P1) • Identify changes in roles and relationship among elderly (C2) • Discuss the stress management and coping skills among elderly (C2)	2 + 2 (P)

Unit 4: Nursing management of older adults with common health problems		
Common health problems (Osteoarthritis, COPD and Pneumonia, IHD, Hypertension and CVA, Diabetes Mellitus, Anemia, UTI, Auditory and visual problems, Depression, and Dementia)among elderly including nursing management	- Identify the common health problems of geriatric clients. (C5, P3, A3) - Demonstrate skills in comprehensive geriatric health assessment with various health problems. (C5, P3, A3) - Employ skills in nursing management of elderly with common health problems. (C3, P1, A2) - Plan and Demonstrate skills in family health teaching related to various health problems. (C5,P3,A3)	8+20 (P)
Unit 5: Elderly abuse and neglect		
Type and extent of elderly abuse (Physical, Psychological, Sexual, and Financial)	- Discuss elderly abuse and neglect (physical, psychological, financial, and sexual) (C2, P1, A1) - Plan and Demonstrate skills in family health teaching related to elderly abuse(C2,P1,A2)	2 + 3 (P)
Unit 6: Rehabilitation of elderly		
Home for the aged (various agencies), Use of aids and prostheses, Training and supervision of care givers, Roles and responsibilities of geriatric nurse in the community	- Discuss the home for the aged (various agencies) and programmes for elderly in India (C2) - Plans rehabilitative measures (aids or prostheses) for elderly (C3, P1, A2) - Formulate strategies for training and supervision of care givers of elderly. (C5) - Identify the roles & responsibilities of Geriatric nurse in the community (C2)	2 + 5 (P)
Unit 7: Nursing perspectives on palliative care		
Palliative care (Concepts, team and ethics), principles, and nursing care perspective in palliative care (pain relief, Symptom management and Communication with patient and family members	- Discuss the overview of palliative care (Concepts, team and ethics) (C2) - Explain principles of palliative care (C2, P1, A1) - Describe the nursing care perspective in palliative care (pain relief, Symptom management and	5 + 3 (P)

	Communication with patient and family members (C2,P1, A1)						
Unit 8: Nursing care perspectives of loss, bereavement and End of life care							
Loss and Bereavement, Integrative theory of bereavement, Phases of bereavement, Nursing process in the care of bereaved person, End of life care, Care of dying person, Emotional response to dying and Fears of the dying person	- Extend family support during end of life care, loss& bereavement (C2, P1, A1) - Describe the integrative theory of bereavement (C1) - Classify the phases of bereavement (C2) - Discuss the nursing care of bereaved person (C2) - Describe the nursing care according to the emotional needs of a dying person. (C2, P1, A1) - Identify the fears of the dying person (C2)		3 + 2 (P)				
Learning strategies, contact hours and student learning time							
Learning strategy	Contact hours	Student learning time (Hrs)					
Lecture	23	70					
Seminar	-						
Small Group Discussion (SGD)	03						
Self-directed learning (SDL)	02						
Problem Based Learning (PBL)							
Case Based Learning (CBL)	01						
Clinic							
Practical	40	40					
Revision	02	10					
Assessment	04						
TOTAL	75	120					
Assessment Methods:							
Formative:		Summative:					
Unit tests		College examination (End exam) (Theory)					
Assignments (Theory)							
Sessional examination							
Mapping of assessment with Cos							
Nature of assessment	CO 1	CO 2	CO 3	CO 4	CO 5	CO 6	CO 7
Sessional Examination 1	x	x	x		x		
Sessional Examination 2				x		x	x
Assignment		x	x	x			

University Examination	x	x	x	x	x	x	x
Feedback Process	• Course Feedback						
Reference Material	1. World Gloria Hoffmann. Basic Geriatric Nursing.2012 2. Bhattacharjee Tapti. Geriatric Nursing Care of the elderly.2011 3. Lewis Carole B: Bottomley Jennifer M. Geriatric Rehabilitation: A clinical Approach. 2008 4. Blazer Dan G: Steffens David C. Text book of Geriatric Psychiatry.2009						

Assessment Mapping

Topics/Unit	Competency level	Impact	Frequency	I X F	Weightage	Marks	Set 1			Set 2			Set 3			Set 4			Set 5		
							Essay	SN	MCQ	Essay	SN	MCQ	Essay	SN	MCQ	Essay	SN	MCQ	Essay	SN	MCQ
Introduction & Basic skills for Gerontological Nursing	C1, C2, C3	3	3	9	0.25	9(10)	10			10			10			10			10		
Nursing management of older adults with common health problems	C1, C2, C3, C4, C5	3	3	9	0.25	9(10)	10			10			10			10			10		
Psychosocial care of the elderly & Elderly abuse and neglect	C1, C2	2	3	6	0.166	5.81(5)		5			5			5			5			5	
Rehabilitation of elderly	C1, C2	2	3	6	0.167	5.81(5)		5			5			5			5			5	
Nursing perspectives on palliative care, loss, bereavement and End of life care	C1,C2, C3	2	3	6	0.167	5.81(5)		5			5			5			5			5	
Total				36	1	35	20	15		20	15		20	15		20	15		20	15	

Summary	Impact	Frequency
Essay= 2x10=20 marks	1=Nice to know	1=Rarely
Short note=3x5=15 marks	2=Need to know	2=Relatively common
	3=Must know	3=very common
Total: 35 marks		

Name of the Institution / Department:
Manipal College of Nursing Manipal, OBG Nursing

Name of the Program:		B.Sc. Nursing					
Course Title:		Nursing Research and Statistics					
Course Code: BSN308		Course Instructor:					
Academic Year: 2020-2021		Semester/ Year: Third Year					
No of Hours: 50+45(P)		Prerequisites: Nil					
Synopsis:	The course is designed to enable students to develop an understanding of basic concepts of research, research process and statistics. It is further structured to conduct/participate in need-based research studies in various settings and utilize the research findings to provide quality nursing care.						
Course Outcomes (COs):		On successful completion of this course, students will be able to::					
CO 1:		Describe nursing research, scientific approach, review of literature and evidence based practice and research designs.					
CO 2:		Discuss steps of research process, purposes, types and factors influencing sampling, analysis of data and scope of statistics.					
CO 3:		Prepare research problem statement, and objectives					
CO 4:		Develop research proposal and data collection tools					
CO 5:		Analyze the normal probability curve, measures of central tendency, dispersion, correlation coefficient, frequency distribution, and graphs.					
CO 6:		Appraise the methods of communication of research findings and writing research report.					
Mapping of COs to POs							
<i>COs</i>	<i>PO 1</i>	<i>PO 2</i>	<i>PO 3</i>	<i>PO 4</i>	<i>PO 5</i>	<i>PO 6</i>	<i>PO 7</i>
CO 1	x	x				x	x
CO 2	x	x				x	
CO 3	x	x	x			x	x
CO 4	x	x	x			x	x
CO 5	x	x	x			x	
CO 6	x	x				x	
Course content and outcomes:							
<i>Content</i>			<i>Competencies</i>				<i>No of Hours</i>
Unit 1: Research and research process							
Definition of nursing research, characteristics, scope and need of nursing research Steps of scientific method Phases and steps of quantitative research			- Describe the need and scope of nursing research (C1) - Discuss the scientific method (C2) - Explain the characteristics of research (C2) - Explain in detail the steps of research process (C2)				4

Unit 2: Introduction to Evidence Based Practice (EBP)		
Definition of evidence based practice. Research utilization and evidence based practice. Steps and resources of evidence based practice.	• Define Evidence Based Practice (C1) • Discuss research utilization and EBP (C2) • Explain the resources for EBP (C2) • Describe the steps of EBP (C1)	5
Unit 3: Research problem/question		
Sources of research problem, criteria for selecting a good research problem and the steps of developing a good research problem statement.	• Explain the sources of research problem (C2) • Discuss the criteria of a good research problem (C2) • Explain the steps of developing research problem statement (C2)	3
Unit 4: Review of literature (ROL)		
Definition of review of literature, purposes of ROL, steps and method of writing ROL	• Describe the purposes of ROL (C1) • List the sources of ROL (C1) • Discuss the steps and method of ROL (C2)	3
Unit 5: Research approaches and designs		
Quantitative and qualitative research approaches/designs Historical research design	• List the elements of research designs (C1) • Explain the non-experimental research designs (C2) • Explain the experimental research designs (C2) • Discuss historical research design (C2)	4
Unit 6: Sampling and data collection		
Definition of sampling, purposes and types of sampling Factors affecting sampling and steps of sampling process Levels and sources of data collection Tools and techniques of data collection: interview technique, observation method, questionnaire techniques, rating scales, checklists, composite scales Validity, reliability and pilot study	• List the purposes of sampling (C1) • Describe the steps of sampling process (C1) • Explain the types of sampling techniques with example (C2) • Describe the purposes of data collection (C1) • Discuss the levels and sources of data (C2) • Explain the methods of data collection (C2) • Discuss types of validity and reliability (C2) • Explain the tools of data collection (C2)	8

Unit 7: Analysis of data						
Steps of data analysis and interpretation of data	Explain the analysis and interpretation of data (C2)				4	
Unit 8: Introduction to statistics						
Scales of measurements, frequency distribution tables, diagrams, charts. Measures of central tendency, dispersion, normal probability and test of significance Statistical packages and its application Steps of testing hypothesis	- Explain the scope of statistics (C2) - Discuss the scales of measurement (C2) - Describe the measures of central tendency and dispersion (C3) - Describe the normal probability and test of significance (C3) - Discuss the statistical packages and its application (C2)				15	
Unit 9 Communication and utilization of research						
Methods of communication of research findings: oral and written and method of writing research article	- Describe the methods of communication of research report (C1) - Explain the method of writing research article (C2)				4	
Learning strategies, contact hours and student learning time						
<i>Learning strategy</i>	<i>Contact hours</i>			<i>Student learning time (Hrs)</i>		
Lecture	48			96		
Seminar	02			05		
Small Group Discussion (SGD-)	02			05		
Self-directed learning (SDL)	10			10		
Panel discussion	-					
Revision	10			20		
Assessment	06					
Practical	45			90		
TOTAL	123			216		
Assessment Methods:						
Formative:				Summative:		
Class tests				University examination		
Assignment- small group project						
Sessional examination						
Mapping of assessment with Cos						
Nature of assessment	CO 1	CO 2	CO 3	CO 4	CO 5	CO 6
Sessional Examination 1	x	x	x			
Sessional Examination 2	x	x	x	x		
Assignment- group project	x	x	x	x	x	x
End Semester Examination	x	x	x	x		

Feedback Process	• Course Feedback
Reference Material	1. Polit DF, Beck CT, Nursing Research Generating and Assessing Evidence for Nursing Practice: 10th edition: Wolters Kluwer publishers. 2. Sharma SK., Nursing Research & Statistics 2nd edition: Reed Elsevier publication.

Assessment Mapping

Topics/Unit	Competency level	Impact	Frequency	I X F	Weightage	Marks	Set 1			Set 2			Set 3			Set 4			Set 5		
							Essay (15 marks)	SN (5 marks)	MCQ	Essay (15 marks)	SN (5 marks)	MCQ	Essay (15 marks)	SN (5 marks)	MCQ	Essay (15 marks)	SN (5 marks)	MCQ	Essay (15 marks)	SN (5 marks)	MCQ
Section A Nursing Research																					
Research & Research Process	C1 & C2	3	3	9	0.4	20	15	5		15	5		15	5		15	5		15	5	
Research problems / Questions, Research Approaches and designs																					
Introduction to EBP & Review of Literature	C1 & C2	1	2	2	0.1	5		5			5			5			5			5	
Analysis of Data, Communication and Utilization of research	C1 & C2	2	1	2	0.1	5		5			5			5			5			5	
Sampling & Data collection	C1 & C2	3	3	9	0.4	20	15	5		15	5		15	5		15	5		15	5	
Total				22	1	50	30	20		30	20		30	20		30	20		30	20	
Section B Introduction to statistics	C1,C2 & C3	3	3	9	1	25		25			25			25			25			25	
Total				9	1	25		25			25			25			25			25	
Grand Total						75	30	45		30	45		30	45		30	45		30	45	

Summary	Impact	Frequency
Section A: Nursing Research	1=Nice to know 2=Need to know 3=Must know	1=Rarely 2=Relatively common 3=very common
Essay= 2x15=30 marks		
Short note=4x5=20 marks		
Total: 35 marks		
Section B: Statistics		
Short note=5x5=25 marks		
Total: 25 marks		
Grand Total (Section A + Section B) Nursing Research: 50 marks Statistics: 25 marks		
Total: 75 marks		

Name of the Institution / Department:
Manipal College of Nursing Manipal, OBG Nursing

Name of the Program:		B.Sc. Nursing					
Course Title:		Midwifery and Obstetrical Nursing (Theory)					
Course Code: BSN401		Course Instructor:					
Academic Year: 2020-2021		Semester /Year: Fourth Year					
No of Hours: 90		Prerequisites: Nil					
Synopsis:	This course is designed for students to appreciate the concepts and principles of midwifery and obstetrical nursing. It helps them to acquire knowledge and skills in rendering nursing care to normal and high risk pregnant woman during antenatal, natal and postnatal periods in hospitals and community settings. It also helps to develop skills in managing normal and high risk neonates and participate in family welfare programme.						
Course Outcomes (COs):		On successful completion of this course, students will be able to:					
CO 1:		Recognise the trends and issues in midwifery and obstetrical nursing.					
CO 2:		Describe the anatomy and physiology of female reproductive system.					
CO 3:		Explain the diagnosis and management of women during antenatal, intranatal and postnatal period.					
CO 4:		Explain the assessment and management of normal and high risk newborn.					
CO 5:		Describe the management of women with high risk pregnancy, abnormal labour, obstetrical emergencies and abnormal puerperium.					
CO 6:		Discuss the indication, dosage, action, side effects and nurse's responsibilities in the administration of drugs used for mothers.					
CO 7:		Explain the importance of family welfare programme, methods of contraception and role of nurse in family welfare programme.					
Mapping of COs to POs							
<i>COs</i>	<i>PO 1</i>	<i>PO 2</i>	<i>PO 3</i>	<i>PO 4</i>	<i>PO 5</i>	<i>PO 6</i>	<i>PO 7</i>
CO 1	x	x				x	x
CO 2	x	x				x	
CO 3	x	x	x			x	x
CO 4	x	x	x			x	x
CO 5	x	x	x			x	x
CO 6	x	x				x	x
CO 7	x	x	x			x	x
Course content and outcomes:							
<i>Content</i>			<i>Competencies</i>				<i>No of Hours</i>
Unit 1: Introduction to midwifery and obstetrical nursing							
• Concepts, historical perspectives and trends of midwifery. Legal, ethical aspects, national policy and legislation. Role of nurse and health indicators.			• Explain the concepts of midwifery and obstetrical nursing. (C2) • Explain trends in midwifery and obstetrical nursing. (C2) • Explain historical perspectives and current trends. (C2)				3

	• Discuss the legal and ethical aspects. (C2) • Describe pre-conception care and preparing for parenthood. (C2) • List the role of nurse in midwifery and obstetrical care. (C1) • Discuss the national policy and legislation in relation to maternal health and welfare. (C2) • Explain maternal –morbidity mortality and fertility rates. (C2) • Explain perinatal, morbidity and mortality rate. (C2)	
Unit 2: Review of anatomy and physiology of female reproductive system and fetal development		
• Female pelvis – general description • of the bones joints, ligaments, planes of the pelvis, diameters of the true pelvis, important landmarks, variations in pelvis shape • Female organs of reproduction • external genitalia, internal genital organs and their anatomical relations, • musculature – blood supply, nerves, lymphatics, pelvic cellular tissue, pelvic peritoneum • Physiology of menstrual cycle • Human sexuality • Foetal development • Conception • Review of fertilization, • implantation (embedding of the ovum), development of the embryo and placenta at term – functions, • abnormalities, the foetal sac, amniotic fluid, the umbilical cord, Foetal circulation, foetal skull, bones, sutures and measurements • Review of Genetics	• Explain the structure measurements, land marks and types of pelvis – general description of the bones joints, ligaments, planes of the pelvis diameters of the true pelvis, important landmarks, variations in pelvis shape. (C2) • Review the female organs of reproduction– external genitalia, internal genital organs and their anatomical relations, musculature – blood supply, nerves, lymphatics, pelvic cellular tissue, pelvic peritoneum. (C2) • Describe the physiology of menstrual cycle and human sexuality. (C2) • Explain the conception and fetal development. (C2) • Review of fertilization, implantation (embedding of the ovum), and development of the embryo. (C2) • Describe the placenta, foetal sac, amniotic fluid and the umbilical cord – functions, abnormalities. (C2) • Discuss the foetal circulation. (C2)	8

	• Explain the structure measurements, landmarks of foetal skull. (C2) • Review of Genetics. (C2)	
Unit 3: Assessment and management of pregnancy (ante-natal) -Normal pregnancy		
• Physiological changes during pregnancy • Reproductive system • Cardio vascular system • Respiratory system • Urinary system • Gastrointestinal system • Metabolic changes • Skeletal changes • Skin changes • Endocrine system • Psychological changes • Discomforts of pregnancy • Diagnosis of pregnancy • Signs • Differential diagnosis • Confirmatory tests • Antenatal care • Objectives • Assessment • History and physical examination • Antenatal Examination • Signs of previous child- birth • Relationship of foetus to uterus and pelvis: Lie, Attitude, Presentation, Position • Per vaginal examination • Screening and assessment for high risk cases; • Risk approach • History and Physical Examination • Modalities of diagnosis; Invasive & Non-Invasive procedures: - ultrasonics, cardiotomography, NST, CST • Antenatal preparation	• Explain the physiological changes during pregnancy- Reproductive system, Cardio vascular system, Respiratory system, Urinary system, Gastro intestinal system, Metabolic changes, Skeletal changes, Skin changes, Endocrine system, Psychological changes. (C2) • Explain the discomforts of pregnancy and management. (C5) • Explain diagnosis of Pregnancy-Signs, Differential diagnosis and Confirmatory tests. (C5) • Explain the antenatal care in terms of objectives and components. (C5) • Describe antenatal history, physical examination, antenatal examination, pervaginal examination, signs of previous child- birth. (C2) • Define the terms used to describe the relationship of foetus to uterus and pelvis: Lie, Attitude, Presentation, Position. (C1) • Explain screening and assessment for high risk cases- risk approach, history and physical examination and modalities of diagnosis; invasive & non-invasive procedures: - Ultrasonics, Cardiotocography, NST, CST. (C2) • Describe antenatal preparation - antenatal counselling, antenatal exercises, diet, substance use, education for child-birth, husband and families,	8

• Antenatal counselling • Antenatal exercises • Diet • Substance use • Education for child-birth • Husband and families • Preparation for safe-confinement • Prevention from radiation • Psycho-social and cultural aspects of pregnancy • Adjustment to pregnancy • Unwed mother • Single parent • Teenage pregnancy • Sexual violence • Adoption	preparation for safe- confinement and prevention from radiation. (C2) • Discuss the psycho-social and cultural aspects of pregnancy- adjustment to pregnancy, unwed mother, single parent, teenage pregnancy and sexual violence. (C2) • Explain adoption. (C2) • Describe the types, technique and purpose of recording and reporting. (C2)	
Unit 4: Assessment and management of intra-natal period		
• Physiology of labour, mechanism of labour • Management of labour: • First stage • - Signs and symptoms of onset of labour; normal and abnormal • Duration • Preparation of: Labour room and Woman • Assessment and observation of women in labour; partogram-maternal and foetal monitoring • Active management of labour, Induction of labour • Pain relief and comfort in labour • Second stage • Signs and symptoms; normal and abnormal • Duration • Conduct of delivery; Principles and techniques • Episiotomy (only if required) • Receiving the new born • Neonatal resuscitation; initial steps and subsequent • Physiology of labour, mechanism of labour	• Explain the physiology of labour, mechanism of labour. (C2) Explain the signs and symptoms of first stage of labour (c2) • Explain the management of labour (C5): First stage-signs and symptoms of onset of labour; normal and abnormal, duration, preparation of: labour room, woman, assessment and observation of women in labour; partogram-maternal and foetal monitoring, active management of labour, induction of labour, pain relief and comfort in labour. Second stage- signs and symptoms; normal and abnormal, duration, conduct of delivery; principles and techniques, episiotomy, receiving the new born: immediate care of newborn, neonatal resuscitation; initial steps and subsequent resuscitation, care of umbilical cord, immediate assessment including screening for congenital anomalies, identification, bonding,	12

• Management of labour: • First stage • - Signs and symptoms of onset of labour; normal and abnormal • Duration • Preparation of: Labour room and Woman • Assessment and observation of women in labour; partogram-maternal and foetal monitoring • Active management of labour, Induction of labour • Pain relief and comfort in labour • Second stage • Signs and symptoms; normal and abnormal • Duration • Conduct of delivery; Principles and techniques • Episiotomy (only if required) • Receiving the new born • Neonatal resuscitation; initial steps and subsequent resuscitation • Care of umbilical cord • Immediate assessment including screening for congenital anomalies • Identification • Bonding • Initiate feeding • Screening and transportation of the neonate • Third stage • Signs and symptoms; normal and abnormal • Duration • Method of placental expulsion • Management; Principles and techniques • Examination of the placenta • Examination of perineum • Maintaining records and reports • Fourth Stage	initiate feeding, screening and transportation of the neonate. Third stage- signs and symptoms; normal and abnormal, duration, method of placental expulsion. management; principles and techniques, examination of the placenta and examination of perineum. Fourth Stage: Describe the types, technique and purpose of recording and reporting. (C2)	
Unit 5: Assessment and management of women during post-natal period- Normal puerperium		
• Normal puerperium; Physiology	• Explain the physiology and duration	5

• and duration • Postnatal assessment and management • Promoting physical and emotional well-being • Lactation management • Immunization • Family dynamics after child-birth • Family welfare services; methods, counselling • Follow-up • Records and reports.	of normal puerperium. (C2) • Explain the assessment and management women during postnatal period, promoting physical and emotional well-being and lactation management. (C5) • Discuss the postnatal immunization. (C2) • Explain family dynamics after child-birth, family welfare services; methods, counselling and follow-up. (C2) • Describe the types, technique and purpose of recording and reporting. (C2)	
Unit 6: Assessment and management of normal neonates- Normal Neonate		
• Normal Neonate; • Physiological adaptation • Initial & Daily assessment • Essential newborn care; Thermal control • Breast feeding, prevention of infections • Immunization • Minor disorders of newborn and its management • Levels of Neonatal care (level I, II, & III) at primary, secondary and tertiary levels • Maintenance of Reports and Records •	• Explain the physiology, assessment and essential newborn care - physiological adaptation, initial & daily assessment, essential newborn care; thermal control breast feeding and prevention of infections. (C5) • Discuss the immunization schedule for neonates. (C2) • Explain the minor disorders of newborn and its management. (C5) • Discuss the levels of neonatal care- at primary, secondary and tertiary levels. (C2) • Describe the types, technique and purpose recording and reporting. (C2)	6
Unit 7: High-risk pregnancy- assessment & management		
• Screening and assessment • Ultrasonics, • Cardiotomography, NST, CST, • non-invasive & invasive procedures • Newer modalities of diagnosis • High-risk approach • Levels of care; primary,	• Discuss the screening and assessment for high risk pregnancy-. (C2) • Discuss the levels of care; primary, secondary and tertiary levels. (C2) • Explain the disorders of pregnancy and its management. (C5)	10

secondary and tertiary levels • Disorders of pregnancy Hyper-emesis gravidarum, bleeding in early pregnancy, abortion, ectopic pregnancy Vesicular mole Ante-partum haemorrhage Uterine abnormality and displacement • Diseases complicating pregnancy • Medical and surgical conditions • Infections, RTI (STD), UTI, HIV, TORCH • Gynaecological diseases complicating pregnancy • Pregnancy induced hypertension & diabetes, Toxemia of pregnancy, hydramnios- Rh incompatibility - Mental disorders • Adolescent pregnancy, elderly primi and grand multipara • Multiple pregnancy • Abnormalities of placenta & cord • Intra-uterine growth-retardation • Nursing management of mothers with high-risk pregnancy • Maintenance of Records and Report	• Explain the diseases complicating pregnancy and its management. (C5) • Describe the types, technique and Purpose of recording and reporting. (C2)	
Unit 8: Abnormal labour – assessment and management		
• Disorders in labour • CPD and contracted pelvis • dystocia due to soft tissue abnormalities • Malposition's and malpresentations • Premature labour, disorders of • uterine actions – precipitate labour, prolonged labour	• Explain the disorders in labour and Its management. (C5) • Explain the obstetrical emergencies and their management; (C5) • Explain the obstetrical procedures and operations and nursing management of women undergoing obstetrical operations and procedures. (C5)	10

• Complications of third stage: • injuries to birth canal, postpartum haemorrhage • Obstetrical emergencies and their management; • Presentation and prolapse of cord, • Vasa praevia, amniotic fluid embolism, rupture of uterus, shoulder dystocia, obstetrical shock, inversion of uterus • Obstetrical procedures and operations; • Induction of labour, forceps, vacuum, version, manual removal of placenta, caesarean section, destructive operations • Nursing management of women undergoing Obstetrical operations and procedures		
Unit 9: Abnormalities during postnatal periods		
• Assessment and management of woman with postnatal complications • Puerperal sepsis, pyrexia, breast engorgement & infections, UTI, thrombo- Embolic disorders, post-partum haemorrhage, Eclampsia and subinvolution • Psychological complications: • Post-partum Blues • Postpartum Depression • Postpartum Psychosis	• Explain the assessment and management of woman with postnatal complications. (C2) • Puerperal sepsis, pyrexia, breast engorgement & infections, UTI, thrombo- embolic disorders, post-partum hemorrhage, eclampsia and sub involution, psychological complications (post-partum blues, post- partum depression and post - partum psychosis). (C5)	4
Unit 10: Assessment and management of high risk newborn		
• Admission of neonates in the neonatal intensive care unit's protocols • Nursing management of: • Low birth weight babies • Infections • Respiratory problems • Haemolytic disorders & haemorrhagic hypoglycaemia, hypocalcaemia • Birth injuries	• Describe the admission of neonate's in the neonatal intensive care unit. (C2) • Explain the assessment and care of high risk newborn- low birth weight babies, infections, respiratory problems, haemolytic & hemorrhagic disorders, hypoglycemia, hypocalcemia, birth injuries and malformations. (C5) • Explain feeding of high risk neonate. (C5)	10

• Malformations • Monitoring of high risk neonates • Feeding of high risk neonates • Organisation and management of neonatal intensive care units • Infection control in neonatal intensive care units • Maintenance of reports and records	• Explain the organization and management of neonatal intensive care units. (C5) • Describe the infection control in neonatal intensive care units. (C2) • Describe the types, technique and purpose of recording and reporting. (C2)	
Unit 11: Pharmaco-therapeutics in obstetrics		
• Indication, dosage, action, contra indication and side effects of drugs • Effect of drugs on pregnancy, labour & puerperium • Nursing responsibilities in the administration of drug in Obstetrics -Oxytocin's, antihypertensive, diuretics, tocolytic agents, anticonvulsants • Analgesics and anaesthetics in Obstetrics • Effects of maternal medication on foetus and neonate.	• Explain the pharmaco therapeutics of drugs indication, dosage, action, contra indication and side effects of drugs. (C5) • Explain the effect of drugs on pregnancy, labour & puerperium. (C5) • Explain the nursing responsibilities in administration of drugs - oxytocin's, antihypertensive, diuretics, tocolytic agents and anticonvulsants. (C5) • Explain obstetrical analgesia and anesthesia. (C5) • Explain the effects of maternal medications on fetus and neonates. (C5)	4
Unit 12: Family Welfare Programme		
• Population trends and problems in India • Concepts, aims, importance and history of family welfare programme • National Population: Dynamics, policy and education • National family welfare programme; RCH, ICDS, MCH Safe motherhood • Organization and administration; at national, state, district, block and village levels	• Discuss the population trends and problems in India. (C2) • Describe the concepts, aims, objectives and history and various national family welfare programmes. (C2) • Describe national population: dynamics, policy and education. (C2) • Describe national family welfare programme: RCH, ICDS, MCH Safe motherhood. (C2)	10

• Methods of contraception; spacing, temporary and permanent, Emergency contraception • Infertility and its management • Counselling for family welfare • Latest research in contraception • Maintenance of vital statistics • Role of national, international and voluntary organizations • Role of a nurse in family welfare programme • Training/Supervision/ Collaboration with other functionaries in community like ANMs, LHVs, Anganwadi workers, TBAs (Traditional birth attendant-Dai)	• Explain the organization and administration of family welfare programme at various levels. (C2) • Describe the various methods of contraception; spacing, temporary and permanent, emergency contraception. (C2) • Explain infertility and its management. (C5) • Describe counselling for family welfare. (C2) • Discuss latest research in contraception. (C2) • Discuss maintenance of vital statistics. (C2) • List the role of national, international and voluntary organizations. (C1) • List the role of a nurse in family welfare programme. (C1) • Describe Training/Supervision/ Collaboration with other functionaries in community like ANMs, LHVs, Anganwadi workers, TBAs (Traditional birth attendant-Dai). (C2) • Describe the types, technique and purpose of recording and reporting. (C2)	
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Learning strategies, contact hours and student learning time		
<i>Learning strategy</i>	<i>Contact hours</i>	<i>Student learning time (Hrs)</i>
Lecture	76	168
Seminar	-	
Small Group Discussion (SGD)	4	12
Self-directed learning (SDL)	2	10
Revision	2	10
Assessment	6	
TOTAL	90	200
Assessment Methods:		
Formative:		Summative:
Class tests		University examination

Assignments							
Sessional examination							
Mapping of assessment with Cos							
Nature of assessment	CO 1	CO 2	CO 3	CO 4	CO 5	CO 6	CO 7
Sessional Examination 1	x	x	x	x			
Sessional Examination 2				x	x	x	x
Assignment			x	x	x		
University Examination	x	x	x	x	x	x	x
Laboratory examination	-	-	-	-	-	-	-
Feedback Process	Course feedback						
Reference Material	- Dutta, D.C. (2 0 1 5). <i>Textbook of obstetrics including perinatology and contraception</i> (8th ed.) (Hiralal Konar, Ed.). New Delhi. Jaypee health sciences publisher. - Bennett, V. R., Brown, L.K. (1993). <i>Myles Textbook for Midwives</i> (12th ed.) (Myles M.F., Ed.) United Kingdom: Churchill Livingstone. - Bobak, I. M., Jensen, M.D. (1993). <i>Maternity and gynaecological Care</i> (5th ed.). London: Mosby. - Reeder, S.J., Martin, L.L, Griffin, D.K., Koniak, D. (1996). <i>Maternity Nursing</i> (14th ed.) Philadelphia: Lippincott Williams & Wilkins company. - Pilitteri, A. (2009). <i>Maternal and Child health: Nursing Care of the Childbearing and Childrearing family</i> (6th ed.). Philadelphia: Lippincott Williams and Wilkins. - Gibbs, R.S., Karlan, B.Y., Haney, A.F., Nygaard, I.E. (Eds.). (2008). <i>Danforth’s obstetrics and gynecology</i> (10th ed.). Lippincott William and Wilkins. - Keith, E.D. (Ed.). (2008). <i>Dewhurst’s Textbook of obstetrics and gynaecology</i> (7th ed.) Blackwell Publishing. - Cunningham, F.G., Leveno, K.J., Bloom, S.L., Dashe, J.S., Hoffman, B.L., Casey, B.M., Spong, C.Y. (2018). <i>Williams’s obstetrics</i> (25th ed.). New York: McGraw Hills.						

Name of the Institution / Department:
Manipal College of Nursing Manipal, OBG Nursing

Name of the Program:		B.Sc. Nursing					
Course Title:		Midwifery and Obstetrical Nursing (Practical & Internship)					
Course Code: BSN402		Course Instructor:					
Academic Year: 2020-2021		Semester/ Year: Fourth Year					
No of Hours: 180		Prerequisites: Nil					
Synopsis:	This course is designed for students to appreciate the concepts and principles of midwifery and obstetrical nursing. It helps them to acquire knowledge and skills in rendering comprehensive nursing care to normal and high-risk pregnant woman during antenatal, natal and postnatal periods in hospitals and community settings. It also helps to develop skills in managing normal and high-risk neonates and participate in family welfare programme.						
Course Outcomes (COs):		On successful completion of this course, students will be able to:					
CO 1:		Demonstrate the assessment and care of women during antenatal, intranatal, and postnatal period (including family planning services.					
CO 2:		Demonstrate the assessment and care of women with high risk pregnancy, abnormal labour, obstetrical emergencies and abnormal puerperium.					
CO 3:		Demonstrate assessment and management of normal and high-risk neonates.					
Mapping of COs to POs							
<i>COs</i>	<i>PO 1</i>	<i>PO 2</i>	<i>PO 3</i>	<i>PO 4</i>	<i>PO 5</i>	<i>PO 6</i>	<i>PO 7</i>
CO 1	x	x	x	x		x	x
CO 2	x	x	x	x		x	x
CO 3	x	x	x	x		x	x
Course content and outcomes:							
<i>Content</i>			<i>Competencies</i>			<i>No of Hours</i>	
Area: Antenatal clinic/OPD							
Assessment and care of pregnant women			- Demonstrate antenatal assessment and care during antenatal period– history, physical examination, antenatal examination (abdominal and pervaginal), Hb & urine testing for sugar and albumin. (C5, A3& P5) - Perform health teaching on antenatal care. (C5, A3& P5) - Identify high risk antenatal mothers. (C4, P5) - Assist for invasive and noninvasive procedure. (C3, P4,				72

	& A2) • Demonstrate antenatal exercise. (C5, A3& P5) • Perform immunization. (C5, A3& P5) • Display recording and reporting. (C5, P5 &A5)	
Area: Labour room O.T.		
• Assessment and management of women in labour and immediate care of newborn. • Assess women in labour, carry out pervaginal examinations, conduct normal deliveries, perform episiotomy and suture it, resuscitate newborns, assist with caesarean sections, MTP and other surgical procedures.	• Demonstrate intranatal assessment and care of women in intranatal period- assessment and observation of women in labour; partogram-maternal and foetal monitoring. (C5, A3& P5) • Perform normal deliveries. (C5, A3& P5) • Perform episiotomy and suturing. (C5, A3& P5) • Demonstrate newborn assessment. (C5, A3& P5) • Demonstrate newborn resuscitation. (C5, A3& P5) • Demonstrate placental examination. (C5, A3& P5) • Assist women with caesarean sections, MTP and other surgical procedures. (C3, P4, & A2) • Demonstrate care of women with caesarean section, MTP and other surgical procedures. (C5, A3& P5) • Assist abnormal deliveries. (C3, P4, & A2) • Display recording and reporting. (C5, P5&A5)	192
Area: Postnatal ward		
• Assessment and care of postnatal women • Provide nursing care to postnatal mother and baby • Counsel and teach mother and family for parenthood	• Demonstrate postnatal assessment and postnatal care. (C5, A3& P5) • Demonstrate perineal care. (C5, A3& P5) • Assist mother for breast feeding. (C3,	72

	P4, & A2) • Demonstrate postnatal exercise. (C5, A3& P5) • Demonstrate newborn assessment and neonatal care. (C5, A3& P5) • Perform immunization. (C5, A3& P5) • Identify high risk postnatal women. (C4, P5) • Identify high risk newborn. (C4, P5) • Perform health teaching on postnatal care, newborn care and immunization. (C5, A3& P5) • Perform counselling for family welfare. (C5, A3& P5) • Demonstrate Insertion of IUD. (C5, A3& P5) • Perform health teaching on use of family planning methods. (C5, A3& P5) • Assist with family planning operations. (C3, P4, & A2) • Display recording and reporting. (C5, P5 &A5)	
Area: Newborn nursery		
• Provide nursing care to newborn at risk	• Demonstrate admission of neonates in the neonatal intensive care unit. (C5, A3& P5) • Demonstrate assessment and care of high risk newborn- low birth weight babies, infections, respiratory problems, haemolytic & haemorrhagic disorders, hypoglycemia, hypocalcemia, birth injuries and malformations. (C5, A3& P5) • Demonstrate feeding of high risk neonates- katori spoon, paladi, tube feeding, total parenteral nutrition.	48

	(C5, A3& P5) • Demonstrate thermal management of neonate's kangaroo mother care and care of baby in incubator. (C5, A3& P5) • Demonstrate administration of medications. (C5, A3& P5) • Assist with diagnostic procedure and exchange transfusion. (C3, P4, & A2) • Demonstrate care of baby on ventilator and phototherapy. (C5, A3& P5) • Perform health teaching and counselling. (C5, A3& P5) • Complies with infection control protocols in the nursery. (C3, P4 &A2) • Display recording and reporting. (C5, P5 &A5)	
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Learning strategies, contact hours and student learning time		
<i>Learning strategy</i>	<i>Contact hours</i>	<i>Student learning time (Hrs)</i>
Direct patient care	194	
Clinical teaching	32	16
Case presentation	70	35
Nursing rounds	16	
Clinical conference	8	16
Bedside clinic	8	16
LAB procedure demonstration	45	25
Ongoing evaluation/feed back	3	
Assessment -OSPE	3	20
Model exam	5	20
TOTAL	384	148

Assessment Methods:	
Formative:	Summative:
Model practical exam	University examination (Practical)
OSPE	
Competency based MCQ test	
Assignments (Practical):	

Case study, Record book, Concept map, Demonstration of procedures.			
Clinical ongoing evaluation			
Mapping of assessment with Cos			
Nature of assessment	CO 1	CO 2	CO 3
Model practical exam	x	x	x
OSPE	x	x	x
Competency based MCQ test	x	x	x
Assignments (Practical): Case study, Record book, Concept map, Demonstration of procedures.	x	x	x
Clinical ongoing evaluation	x	x	x
University examination (Practical)	x	x	x
Feedback Process	● Course feedback		
Reference Material	1. Dutta, D.C. (2 0 1 5). <i>Textbook of obstetrics including perinatology and contraception</i> (8th ed.) (Hiralal Konar, Ed.). New Delhi. Jaypee health sciences publisher. 2. Bennett, V. R., Brown, L.K. (1993). <i>Myles Textbook for Midwives</i> (12th ed.) (Myles M.F., Ed.) United Kingdom: Churchill Livingstone. 3. Bobak, I. M., Jensen, M.D. (1993). <i>Maternity and gyneacological Care</i> (5th ed.). London: Mosby. 4. Reeder, S.J., Martin, L.L, Griffin, D.K., Koniak, D. (1996). <i>Maternity Nursing</i> (14th ed.) Philadelphia: Lippincott Williams & Wilkins company. 5. Pilitteri, A. (2009). <i>Maternal and Child health: Nursing Care of the Childbearing and Childrearing family</i> (6th ed.). Philadelphia: Lippincott Williams and Wilkins. 6. Gibbs, R.S., Karlan, B.Y., Haney, A.F., Nygaard, I.E. (Eds.). (2008). <i>Danforth's obstetrics and gynecology</i> (10th ed.). Lippincott William and Wilkins. 7. Keith, E.D. (Ed.). (2008). <i>Dewhurst's Textbook of obstetrics and gynaecology</i> (7th ed.) Blackwell Publishing. 8. Cunningham, F.G., Leveno, K.J., Bloom, S.L., Dashe, J.S., Hoffman, B.L., Casey, B.M., Spong, C.Y. (2018). <i>Williams's obstetrics</i> (25th ed.). New York: McGraw Hills.		

Assessment Mapping

Topics/Unit	Competency level	Impact	Frequency	I X F	Weightage	Marks	Set 1			Set 2			Set 3			Set 4			Set 5		
							Essay (15 marks)	SN (5 marks)	MCQ	Essay (15 marks)	SN (5 marks)	MCQ	Essay (15 marks)	SN (5 marks)	MCQ	Essay (15 marks)	SN (5 marks)	MCQ	Essay (15 marks)	SN (5 marks)	MCQ
Introduction to Midwifery and Obstetrical Nursing (3 hours) Review of Anatomy and Physiology of Female Reproductive system and Foetal Development(8 hours)	C1 & C2	3	2	6	0.15	11.25 (11)		10	1		10	1		10	1		10	1		10	1
Assessment and Management of Pregnancy (ante-natal)- (8 hours) Assessment and Management of Intra-natal Period (12 hours)	C1, C2, C3, C4 & C5	3	3	9	0.225	16.87 (17)	13		4	13		4	13		4	13		4	13		4
Assessment and Management of women during Post Natal Period (5 hours) Assessment and Management of Normal Neonates (6 hours)	C1, C2, C3, C4, C5	2	3	6	0.15	11.25 (11)		10	1		10	1		10	1		10	1		10	1
High-risk Pregnancy- assessment & Management (10 hours) Abnormal Labour – assessment and Management (10 hours)	C1, C2, C3, C4, C5	3	3	9	0.225	16.87 (17)	12		5	12		5	12		5	12		5	12		5
Abnormalities during Postnatal Periods (4 hours) Assessment and Management of High Risk Newborn (10 hours)	C1, C2, C3, C4, C5	3	2	6	0.15	11.25 (11)		10	1		10	1		10	1		10	1		10	1

Topics/Unit	Competency level	Impact	Frequency	I X F	Weightage	Marks	Set 1			Set 2			Set 3			Set 4			Set 5		
							Essay (15 marks)	SN (5 marks)	MCQ	Essay (15 marks)	SN (5 marks)	MCQ	Essay (15 marks)	SN (5 marks)	MCQ	Essay (15 marks)	SN (5 marks)	MCQ	Essay (15 marks)	SN (5 marks)	MCQ
Pharmaco-therapeutics in obstetrics (4 hours) Family Welfare Programme (10 hrs)	C1, C2, C3, C4, C5	2	2	4	0.1	7.5(8)		5	3		5	3		5	3		5	3		5	3
Total				40	1	75	25	35	15	25	35	15	25	35	15	25	35	15	25	35	15

Summary	Impact	Frequency
Essay (2): 1x13= 13 marks, 1x12=12marks Total: 25 marks	1=Nice to know	1=Rarely
Short note 7x5= 35 marks	2=Need to know	2=Relatively common
MCQ 15x1=15 marks	3=Must know	3=very common
Total=75 marks		

Name of the Institution / Department:

Manipal College of Nursing Manipal, Community Health Nursing

Name of the Program:	B Sc Nursing
Course Title:	Community Health Nursing – II (Theory)
Course Code: BSN403	Course Instructor:
Academic Year: 2020-2021	Semester/Year: Fourth Year
No of Hours: 90	Prerequisites: Basic concepts on community health nursing in second year level of under graduation.

Synopsis:	This Course is designed for students to practice community health nursing for the individual, family and groups at both urban and rural settings by using concept and principles of health and community health nursing.
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Course Outcomes (COs):	On successful completion of this course, students will be able to:
CO 1:	Discuss the concepts, scope, principles of community health nursing and roles of community health nurse in various health care settings.
CO 2:	Recognize the health problems, programmes, plans, schemes, policies and health care delivery system including alternative system of medicine in India.
CO 3:	Discuss the functions of various national and international health agencies.
CO 4:	Distinguish the roles and responsibilities of Community health personnel including community health officers.

Mapping of COs to POs

COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
CO 1	x	x		x			
CO 2	x		x				x
CO 3	x						
CO 4	x					x	

Course content and outcomes:

Content	Competencies	No of Hours
Unit 1: Introduction		
- Definition, concept & scope of Community Health and Community Health Nursing - Principles of Community Health Nursing - Historical development of - Community Health	- Define community health nursing (C1) - Describe the concept Community Health and Community Health Nursing (C5) - Explain the scope of community health nursing (C2) - Describe the principles of community health nursing (C5) - Explain the historical development of community health and community health nursing (C2)	4

community Health Nursing: Pre-independence & Post-independence		
Unit 2: Health planning and policies and problems		
National health planning in India-Five Year Plans Various committees and commissions on health and family welfare - Central council for health and family welfare (CCH and FW) - National health policies (1983, 2002) - National population policy - Health problems in India	- Explain the national health planning in India – five year plans (C2) - Explain the various committees on health and family welfare (C2) - Describe the central council for health & family welfare (C2) - Discuss the national health policies & national population policies (C2) - Describe the health problem in India (C5)	6
Unit 3: Delivery of Community Health Services		
Planning, budgeting and material management of SCs, PHC and CHC; Rural: Organization, staffing and functions of rural health services provided by government at: Village, Sub centre, Primary health centre, Community health centre/ sub divisional Hospitals, District, State, Centre Urban: Organization, staffing and functions of urban health services provided by government at: Slums, Dispensaries, Maternal and child health centres, Special Clinics, Hospitals, Corporation/Municipality/ Board Components of health services: Environmental sanitation, Health education, Vital statistics, M.C.H. – antenatal, natal, postnatal, MTP Act, female foeticide act, child adoption act, Family Welfare, National health programmes, School health services, Occupational health, Defence services, Institutional services.	- Describe the health system/health administration in India at central level/state level/district level (C2) - Explain the health care delivery system in rural/urban India (C2) - Outline environmental sanitation(C1) - Design health education (C5) - Describe vital statistics (C1) - Describe the MCH including MTP Act, female foeticide act, child adoption act (C5) - Explain the Family Welfare services (C2) - State the national health programmes (C1) - Discuss the school health services (C2) - Identify the occupational health	15

Systems of medicine and health care: Allopathy, Indian System of Medicine and Homeopathy, Alternative health care systems like yoga, meditation, social and spiritual healing etc. Referral system	services, Defense services and Institutional services (C4) • Identify the various systems of medicine and health care (C2) • Recognize the referral system (C2).	
Unit 4: Community Health Nursing: Approaches, Concepts and Roles and Responsibilities of Nursing Personnel		
Approaches, Concepts and Roles and Responsibilities of Nursing Personnel Approaches: Nursing theories and Nursing process, Epidemiological approach, Problem solving approach, Evidence based approach, Empowering people to care for themselves Concepts of Primary Health Care: Equitable distribution, Community participation, Focus on prevention, Use of appropriate Technology, Multi-sectoral approach Roles and responsibilities of Community health nursing personnel in: Family health services, Information Education Communication (IEC), Management Information System (MIS): Maintenance of Records & reports, Training and supervision of various categories of health workers, National Health Programmes, Environmental sanitation, Maternal and child health and Family welfare, Treatment of Minor ailments, School Health Services, Occupational Health. Organisation of clinics, camps: Types, Preparation,	• Describe various approaches in community health nursing: (C2) • Demonstrate skills in empowering people to care for themselves (C3) • Outline the concepts and elements of Primary Health Care (C4) • Discuss the roles and responsibilities of Community health nursing personnel in various areas of health care services (C2) • Discuss the training and supervision of various categories of health workers (C2) • Explain the organization of clinics, camps (C3)	25

planning, conduct and evaluation, Waste management in the center, clinics etc. Home visit: Concept, Principles, Process, Techniques: Bag technique home visit Qualities of Community Health Nurse Job Description of Community health nursing personnel	• Practice Waste management in the center, clinics etc. (C3) • Discuss the concept of home visit (C2) • Apply the principles and Process of home visit (C3) • Demonstrate the home visits and bag techniques (C3, A3) • Describe the qualities of Community Health Nurse (C5) • Discuss the Job Description of Community health nursing personnel (C2)	
Unit 5: Assisting individuals and groups to Promote and maintain their Health		
Empowerment for self-care of individuals, families and groups in – A. Assessment of self and family Monitoring growth and development – Mile stones – Weight measurement – Social development Temperature and Blood pressure monitoring Menstrual cycle Breast self-examination and testicles Warning Signs of various diseases Tests: Urine for sugar and albumin, blood sugar	• Describe on empowerment for self-care of individuals, families and groups in (C3) A. Assessment of self and family • Demonstrate the skill of monitoring growth and development (C3, A3) • Demonstrate temperature and Blood pressure monitoring (C3, A3) • Describe the menstrual cycle (C2) • Demonstrate breast self-examination and testicles examination.(C3 A3 P3) • Recognize the warning Signs of various diseases(C2) • Demonstrate tests: Urine for sugar and albumin, blood sugar (C3, A3). • Appraise health services for routine check-up, Immunization Counselling, Diagnosis, Treatment and follow-up care (C5)	15

B. Seek health services for: Routine check-up, Immunization, Counselling, Diagnosis, Treatment, Follow-up C. Maintenance of health records for self and family D. Continue medical care and follow-up in community for various diseases and disabilities E. Carryout therapeutic procedures as prescribed/ required for self and family F. Waste Management • Collection and disposal of waste at home and community G. Sensitize and handle social issues affecting health and development for self and family • Women Empowerment • Women and child abuse • Abuse of elders • Female Foeticide • Commercial sex workers • Food adulteration • Substance abuse H. Utilize community resources for self and family ☐ Trauma Services ☐ Old age homes ☐ Orphanage ☐ Homes for physically and mentally challenged individual ☐ Homes for destitute	• Practice the maintenance of health records for self and family (C3) • Differentiate the continue medical care and follow-up in community for various diseases and disabilities (C4). • Carryout therapeutic procedures as prescribed/ required for self and family (C3) • Discuss the waste Management at home and community(C2) • Sensitize and handle social issues affecting health and development for self and family: • Describe the women Empowerment (C5) • Explain the concept of women and child abuse (C4) • Describe the abuse of elders (C5) • Explain the female Foeticide (C2) • Outline the commercial sex workers (C1) • identify the food adulteration (C4) • Describe the substance abuse (C5) • H. Utilize community resources for self and family: • Discuss the trauma Services (C2) • Recognize the old age homes & Orphanage (C2) • Review the homes for physically and mentally challenged individuals (C2) • Discuss the homes for destitute(C2)	
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Unit 6: National Health and Family Welfare Programmes and the Role of a Nurse		
1) National ARI programme 2) Revised National Tuberculosis Control Programme (RNTCP) 3) National Anti-Malaria programme 4) National Filaria control programme 5) National Guinea worm eradication programme 6) National Leprosy eradication programme 7) National AIDS control programme 8) STD control programme 9) National programme for control of blindness 10) Iodine deficiency disorder programme 11) Expanded programme on immunization 12) National Family Welfare Programme – RCH Programme historical development, organisation, administration, research, constraints 13) National water supply and sanitation programme 14) Minimum Need programme 15) National Diabetics control programme 16) Polio Eradication: Pulse Polio Programme 17) National Cancer Control Programme 18) Yaws Eradication Programme 19) National Nutritional Anemia Prophylaxis programme 20) 20 point programme 21) ICDS programme	• Explain the national health and family welfare programmes (C2) • Identify the role of nurse in NHPs (C2, C3). • Discuss on various health schemes (C2)	20

22) Mid-day meal applied nutritional programme 23) National mental health programme • Health schemes ☐ ESI ☐ CGHS ☐ Health Insurance		
Unit 7: Health Agencies		
International – WHO, UNFPA, UNDP, World Bank, FAO, UNICEF, DANIDA, European Commission (EC), Red Cross, USAID, UNESCO Colombo Plan, ILO, CARE etc. National – Indian Red Cross, Indian Council for Child welfare, Family Planning Association of India (FPAI), Tuberculosis Association of India, Hindu Kusht Nivaran Sangh, Central Social Welfare Board, All India Women's Conference, Blind Association of India etc.	• Recognize the functions of international health agencies (C2). • Explain the functions of national health agencies (C2).	5
Learning strategies, contact hours and student learning time		
<i>Learning strategy</i>	<i>Contact hours</i>	<i>Student learning time (Hrs)</i>
Lecture	70	140
Seminar	-	-
Small Group Discussion (SGD)	05	10
Self-directed learning (SDL)	05	10
Problem Based Learning (PBL)	-	-
Case Based Learning (CBL)	-	-
Clinic	-	-
Practical	-	-
Revision	04	08
Assessment	06	12
TOTAL	90	180
Assessment Methods:		
Formative:	Summative:	
Class tests and Sessional examination	University exam (Theory)	
Assignments		

Mapping of assessment with Cos				
Nature of assessment	CO 1	CO 2	CO 3	CO 4
Sessional Examination 1	x	X		
Sessional Examination 2		X	x	x
Assignment		X	x	x
University exam (Theory)	x	X	x	x
Feedback Process	• Course feedback			
Reference Material	1. Prabhakara G N, Textbook of Community Health for Nurses, 1st edition, New Delhi: Peepee Publishers & Distributors (p) ltd;2004. 2. Kasthuri Sundar R, An Introduction to Community Health Nursing, 4th edition (revised), Chennai: B I Publications; 2005. 3. Nagpal N, (TNAI), A Community Health Nursing Manual, 3rd edition (reprinted), New Delhi: Microtech Advance Printing Systems (p) ltd; 1992. 4. Stanhope M, Lancaster J, Community and Public Health Nursing, 6th edition, Missouri: Mosby; 2000. 5. K. Park (2017). Park's textbook of preventive and social medicine. 24th edition, M/s Banarsidas Bhanot publishers.			

Name of the Institution / Department:

Manipal College of Nursing Manipal, Community Health Nursing

Name of the Program:	B Sc Nursing
Course Title:	Community Health Nursing – II (Practical & Internship)
Course Code: BSN404	Course Instructor:
Academic Year: 2020-2021	Semester/ Year: Fourth Year
No of Hours: 330 (Practical – 135+Internship 195)	Prerequisites: Basic concepts on community health nursing in second year level of under graduation.
Synopsis:	This Course is designed for students to practice community health nursing for the individual, family and groups at both urban and rural settings by using concept and principles of health and community health nursing.

Course Outcomes (COs):	On successful completion of this course, students will be able to:
CO 1:	Identify determinants of health, epidemiology of communicable and non-communicable diseases.
CO 2:	Assess health needs and practice comprehensive nursing care to Individual, families and community.
CO 3:	Organize health and welfare programmes at school/Anganwadi.
CO 4:	Provide health education /counselling to individual, family and community.
CO 5:	Conduct Morbidity clinic
CO 6:	Participate in national health programmes

Mapping of COs to POs

COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7
CO 1	x			x			
CO 2	x	x	x	x		x	
CO 3	x		x	x		x	x
CO 4	x		x	x		x	x
CO 5	x		x	x		x	x
CO 6	x		x	x		x	

Course content and outcomes:

Content	Competencies	No of Hours
Community health nursing – II Practical & Internship		
Community health survey Community diagnosis Family care: Home adaptation of common procedures:	- Conduct the community health survey (C3, A3, P3) - Formulate the community diagnosis (C5, A4, P6) - Demonstrate family care: Home adaptation of common procedures (C3, A3)	330

Home visit: Bag technique, Organize and conduct clinics-antenatal, postnatal, well baby clinic, camps etc. Screen manage and referrals for: High risk mothers and neonates, Accidents and emergencies, Illnesses: Physical and mental Disabilities, conduct delivery at centre/ home: episiotomy and suturing, resuscitate newborn, School Health programme, Screen, manage, refer children Collaborate with health and allied agencies Train and Supervise health workers Provide family welfare services: insertion of IUD Counsel and teach individual, family and community about: HIV, TB, Diabetes, hypertension, Mental health, adolescents, elderly's health, physically and mentally challenged individuals etc. Collect and Calculate Vital health statistics Document and maintain	• Conduct home visit: Bag technique (C3, A3, P3) • Organize and conduct clinics-antenatal, postnatal, well baby clinic, camps etc. (P4) • Applies the knowledge of screening, management and referrals for high risk mothers and neonates, accidents and emergencies, physical and mental illnesses and disabilities (C3) • Demonstrates the conduction of delivery at center/ home: episiotomy and suturing (C3, P3, A3) • Demonstrate resuscitation of newborn (C3, P3, A3) • Organize the school Health programme (C3, P3) • Identifies the collaborative opportunities (C3) • Organize training and Supervision of health workers (C3, P3) • Identify the family welfare services (C2) • Demonstrates the insertion of IUD (C3, A3) • Demonstrate and adapt the skill of counseling and teaching individual, family and community about: HIV, TB, Diabetes, hypertension, Mental health, adolescents, elderly's health, physically and mentally challenged individuals etc. (C3, A3, P6). • Collect and Calculate Vital	
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☐ Individual, family and administrative records. Write reports-center, disease, national health programme/projects. Integrated Practice and group project – 1 in each rural and urban	health statistics (C3, C4) • Demonstrate the skill of documentation and maintaining Individual, family and administrative records (C3, A3, P6) • Write reports-center, disease, national health programme/projects (C3). • Prepare and organizing the group projects (C3, P3)	
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Learning strategies, contact hours and student learning time

Learning strategy	Contact hours	Student learning time (Hrs)
Lecture	-	-
Seminar	-	-
Small Group Discussion (SGD)	10	20
Self-directed learning (SDL)	10	-
Problem Based Learning (PBL)	-	-
Case Based Learning (CBL)	10	20
Clinic	24	-
Practical	246	-
Revision	10	20
Assessment	20	40
TOTAL	330	100

Assessment Methods:

Formative:	Summative:
Demonstration/Presentations	University exam (Practical)
Assignment and model practical exam	
Competency based assessment	

Mapping of assessment with Cos

Nature of assessment	CO 1	CO 2	CO 3	CO 4	CO 5	CO 6
Demonstration/Presentations	x	x				
Assignment – Case study	x	x				
Assignment –Health education				x		
Assignment – Organizing health programme at school/anganwadi			X			
Assignment – Conduction of morbidity clinic					x	
Competency Based test	x	x	X	x	x	x
Model Practical Exam	x	x	X	x	x	x
University exam (Practical)	x	x	X	x	x	x

Feedback Process	• Course feedback
Reference Material	1. Kasthuri Sundar R (2005) An Introduction to Community Health Nursing, 4th edition (revised), Chennai: B I Publications. 2. Nagpal N, (TNAI), A Community Health Nursing Manual, 3rd edition (reprinted), New Delhi: Microtech Advance Printing Systems (p) Ltd. 3. K. Park (2017). Park's textbook of preventive and social medicine. 24th edition, M/s Banarsidas Bhanot publishers. 4. Stanhope M, Lancaster J (2000) Community and Public Health Nursing, 6th edition, Missouri: Mosby. 5. Dutta D C, textbook of obstetrics, Calcutta: new central book agency.

Assessment Mapping

Topics/Unit	Competency level	Impact	Frequency	I X F	Weightage	Marks	Set 1			Set 2			Set 3			Set 4			Set 5		
							Essay (1 = 12 M + 1 = 13 M)	SN (5 M)	MCQ (1 M)	Essay (1 = 12 M + 1 = 13 M)	SN (5 M)	MCQ (1 M)	Essay (1 = 12 M + 1 = 13 M)	SN (5 M)	MCQ (1 M)	Essay (1 = 12 M + 1 = 13 M)	SN (5 M)	MCQ (1 M)	Essay (1 = 12 M + 1 = 13 M)	SN (5 M)	MCQ (1 M)
Unit : 1 concept of community health and community health nursing and (4 Hours)	C1, C2, C5	2	2	4	0.1	7	0	5	2	0	5	2	0	5	2	0	5	2	0	5	2
Unit 2: health policies, Planning and Problems (6 Hours)	C1, C2, C5	1	2	2	0.05	4	0	0	4	0	0	4	0	0	4	0	0	4	0	0	4
Unit 3: Delivery of community health services (15 Hours)	C1, C2, C5	3	3	9	0.225	17	13	0	4	13	0	4	13	0	4	12	5	0	0	15	2
Unit 4: Community health nursing approaches, concepts, and roles and responsibilities of nursing personnel (25 hours)	C1, C2, C3, C4	3	3	9	0.225	17	0	15	2	0	15	2	12	5	0	13	0	4	13	0	4
Unit 5: Assisting individuals and groups to promote and maintain their health (15 Hours)	C1, C2, C3, C4, C5	3	2	6	0.15	11	0	10	1	0	10	1	0	10	1	0	10	1	0	10	1
Unit 6: National health and family welfare programmes and the role of nurse (20 Hours)	C1, C2	3	3	9	0.225	17	12	5	0	12	5	0	0	15	2	0	15	2	12	5	0
Unit 7: National and International health agencies (5 hours)	C1, C2	1	1	1	0.025	2	0	0	2	0	0	2	0	0	2	0	0	2	0	0	2
Total				40	1	75	25	35	15	25	35	15	25	35	15	25	35	15	25	35	15

Summary	Impact	Frequency
Essay (2): 1x13= 13 marks, 1x12=12marks Total: 25 marks	1=Nice to know	1=Rarely
Short note 7x5= 35 marks	2=Need to know	2=Relatively common
MCQ 15x1=15 marks	3=Must know	3=very common
Total=75 marks		

Name of the Institution / Department:

Manipal College of Nursing Manipal, Child Health (Paediatric) Nursing

Name of the Program:		B.Sc. Nursing					
Course Title:		Management of Nursing Services and Education					
Course Code: BSN406		Course Instructor:					
Academic Year: 2020-2021		Semester/ Year: Fourth Year					
No of Hours: 60+30		Prerequisites: Nil					
Synopsis:	This course is designed to help the students to develop an understanding of management of clinical and community health nursing services and nursing educational programmes. This is also designed To enable students to acquire understanding of the professional responsibilities, prospects and contribution to the growth of the profession.						
Course Outcomes (COs):		On successful completion of this course, students will be able to::					
CO 1:		• Explain the principles and functions of management					
CO 2:		• Explain the elements and process of management					
CO 3:		• Discuss the management of nursing services in hospital and community					
CO 4:		• Outline the concepts, theories and techniques of organizational behaviour and human relations					
CO 5:		• Describe the planning and organization of in-service education program.					
CO 6:		• Discuss the management of nursing educational institution.					
CO 7:		• Describe the ethical and legal responsibilities of a professional nurse.					
CO 8:		• Explain the various opportunities for professional advancement.					
Mapping of COs to POs							
<i>COs</i>	<i>PO 1</i>	<i>PO 2</i>	<i>PO 3</i>	<i>PO 4</i>	<i>PO 5</i>	<i>PO 6</i>	<i>PO 7</i>
CO 1	x			x			
CO 2	x			x			
CO 3	x			x			
CO 4	x		x	x			
CO 5	x			x			
CO 6	x			x			
CO 7	x					x	
CO 8	x				x		
Course content and outcomes:							
<i>Content</i>			<i>Competencies</i>				<i>No of Hours</i>
Unit 1: Introduction to management in nursing							
• Definition, concepts and theories • Functions of management			• Define nursing management and nursing administration (C1) • Explain the concepts, theories and functions of nursing management (C2)				4

- Principles of Management - Role of Nurse as a manager	- Describe the principles of nursing management. (C2) - Explain the role of a nurse as a manager (C2)	
Unit 2: Management process		
- Planning; mission, philosophy, objectives, operational plan - Staffing: philosophy, staffing study, norms, activities, patient classification systems, scheduling - Human resource management; recruiting, selecting, deployment, retaining, promoting, super annuation etc. - Budgeting: concept, principles, types, cost benefit analysis, audit - Material management: equipment and supplies - Directing process (Leading) - Controlling: Quality management - Program Evaluation Review Technique (PERT), Bench marking, Activity Plan (Gantt Chart),	- Explain the mission, philosophy, objectives of planning and operational plan (C2) - Explain the philosophy, staffing study and norms of staffing (C2) - Discuss the concept of staff scheduling (C2) - Explain the activity analysis and patient classification system(C2) - Describe the process of human resource management including recruiting, selection, deployment, retaining, promotion and superannuation. (C2) - Discuss the concept, principles and types of budgeting (C2) - Define cost benefit analysis and financial audit (C1) - Explain the process of managing equipment and supplies in relation to material management(C2) - Explain directing process(Leading)(C2) - Describe controlling process and quality management(C2) - Describe the Programme Evaluation Review Technique(PERT), bench marking and activity plan(Gantt chart) (C2)	8
Unit 3: Management of nursing services in the hospital and community		
- Planning: - Hospital and patient care units including ward	Describe the planning of hospital and patient care units including ward management (C2, P1)	12+20

management ❑ Emergency and disaster management • Human resource management: ❑ Recruiting, selecting, deployment, retaining, promoting, superannuation etc. ❑ Categories of nursing personnel including job description of all levels ❑ Patient/population classification systems ❑ Patients/population assignment and Nursing care responsibilities ❑ Staff development and welfare • Budgeting: proposal, projecting requirements for staff, equipment and supplies for ❑ Hospital and patient care units ❑ Emergency and disaster management • Material Management; procurement, inventory control, auditing and maintenance in ❑ Hospital and patient care units ❑ Emergency and disaster management ❑ Directing and leading: delegation, participatory management ❑ Assignments, rotations,	• Explain planning of emergency and disaster management(C2) • Discuss the process of recruiting, selecting, deployment, retaining, promoting and superannuation in human resource management of hospital (C6) • Describe the categories and job description of nursing personnel(C2) • Discuss the patient /population classification systems in hospital (C3, P1) • Explain patient /population assignment and nursing care responsibilities(C2) • Explain staff development and welfare services(C2) • Explain budgeting –proposal, projecting requirement for staff, equipment and supplies for hospital and patient care units, emergency and disaster management (C2) • Discuss material management - procurement, inventory control, auditing and maintenance in hospital and patient care units, emergency and disaster management (C6) • Describe delegation and participatory management in relation to directing and leading(C2) • Prepare patient assignment and rotations/duty roaster (C3, P1) • Describe the concept of supervision and guidance(C2) • Prepare standards, policies, procedure and practices for management of nursing services (C2)	
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delegations ❑ Supervision & guidance ❑ Implement Standards, policies, procedures and practices ❑ Staff development and welfare ❑ Maintenance of discipline • Controlling/Evaluation: ❑ Nursing Rounds/Visits, Nursing protocols, Manuals ❑ Quality Assurance Model, documentation ❑ Records and reports • Performance appraisal	• Explain the staff development and welfare services for nursing service department • Discuss the process of maintaining discipline in hospital(C2) • Explain controlling/Evaluation: nursing rounds/ visits, nursing protocols, manuals in hospital(C2) • Explain quality assurance models and documentation(C2) • Identify the records and reports maintained in the hospital (C1, P1) • Explain the process, tools and techniques of performance appraisal (C2, P2)	
Unit 4: Organizational behaviour and human relations		
• Concepts and theories of organizational behaviours • Review of Channels of communication • Leadership styles • Review of Motivation; concepts and theories • Group dynamics • Techniques of; ❑ Communication; and ❑ Interpersonal relationships ❑ Human relations; • Public relations in context of nursing	• Explain the concepts and theories of organizational behaviour (C2) • Review of channels, techniques of communication, interpersonal relationship and human relation (C2) • Explain the leadership styles(C2) • Review the concepts and theories of motivation (C2) • Explain the concepts of group dynamics(C2) • Describe the importance of public relations in the context of nursing (C2)	5+3

• Relations with professional associations and employee unions and Collective bargaining	• Discuss the nurse's relations with professional association and employee unions (C3) • Explain the process of collective bargaining (C2)	
Unit 5: In Service Education		
• Nature & scope of in-service education program • Organization of in service education • Principles of adult learning • Planning for in-service education program, techniques, methods & evaluation of staff education program • Preparation of report	• Discuss the nature and scope of in-service education program(C2) • Plan and organize in-service education program (C3, P2) • List the principles of adult learning (C1) • Explain the techniques, methods and evaluation of staff education program. (C2) • Prepare a report of in-service education program(C3)	5+ 5
Unit 6: Management of Nursing Educational Institutions		
• Establishment of Nursing educational institution-INC norms and guidelines • Co-ordination with– ❑ Regulatory bodies ❑ Accreditation ❑ Affiliation – Philosophy/objectives – Organization ❑ Structure ❑ Committees – Physical facilities ❑ College/School ❑ Hostel – Students – Selection – Admission	• List the INC norms and guidelines for establishment of nursing educational institutions (C1) • Explain the process of co-ordination with regulatory bodies (C2) • Explain the concept of accreditation and affiliation-philosophy, objectives and organization (C2) • Explain the structure and committees of nursing educational institution (C2) • Explain the physical facilities, clinical facilities, transport facilities, hostel facilities records and reports required for a nursing educational institution (college/ school) (C2) • List the student selection and admission criteria for a nursing educational institution (college/ school) (C1)	11

○ Guidance and Counselling ○ Maintaining discipline – Faculty and staff □ Selection □ Recruitment □ Job description □ Placement □ Performance appraisal □ Development and welfare • Budgeting • Equipment's and supplies: audio visual equipment's, laboratory equipment, books, journals etc. • Curriculum; Planning, implementation and evaluation • Clinical facilities • Transport facilities • Institutional records and reports- administrative, faculty, staff and students	• Describe the guidance and counselling services for students (C2) • Discuss the process of maintaining discipline in hostel in nursing educational institution (college and school) (C2) • Explain the process of curriculum planning, implementation and evaluation in a nursing educational institution(C2)	
Unit 7: Nursing as profession		
□ Philosophy; nursing practice □ Aims and objectives □ Characteristics of a professional nurse □ Regulatory bodies; INC, SNC Acts; constitution, functions □ Current trends and issues in Nursing • Professional ethics □ Code of ethics; INC, ICN □ Code of Professional conduct; INC, ICN • Practice standards for Nursing;	• Discuss nursing as a profession(C2) • Explain the philosophy, aims and objectives of nursing profession/practice (C2) • List the characteristics of a professional nurse (C1) • Review the constitution and functions of regulatory bodies –INC act and SNC act(C2) • Discuss the current trends and issues in nursing (C2) • Describe the professional ethics and code of professional conduct as per INC and ICN (C2) • Describe the practice standards for nursing as per INC(C2)	10 + 2

INC • Consumer protection act • Legal Aspects in Nursing ❑ Legal terms related to practice; registration and licensing ❑ Laws related to nursing practice; Breach and penalties ❑ Malpractice and negligence	• Describe the concept of consumer protection act(C2) • Explain the legal terms related to practice, registration and licensing(C2) • Discuss the laws related to nursing practice; breach, penalty, malpractice and negligence (C2)	
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Unit 8: Professional Advancement

•Continuing education •Career Opportunities •Collective bargaining •Membership with Professional organizations; National and International •Participation in research activities •Publications; Journals, newspapers etc.	• Explain the role of continuing education in professional advancement (C2) • Explain the career opportunities in nursing (C2) • Describe the process and role of collective bargaining in professional advancement (C2) • Discuss the membership with national and international professional organization(C2) • Explain the role of nurse in participation in research activities(C2) • Describe role of publication in journal and newspaper in professional advancement (C2)	5
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Learning strategies, contact hours and student learning time

<i>Learning strategy</i>	<i>Contact hours</i>	<i>Student learning time (Hrs)</i>
Lecture	45	90
Seminar	03	06
Small Group Discussion (SGD)	05	10
Self-directed learning (SDL)	03	06
Role play	04	08
Practical	30	60
Revision	09	20
Assessment	06	
TOTAL	75 (T)+ 30 (P)	200

Assessment Methods:								
Formative:					Summative:			
Assignment					University examination			
Online course								
Sessional examination								
Mapping of assessment with Cos								
Nature of assessment	CO 1	CO 2	CO 3	CO 4	CO 5	CO 6	CO7	CO 8
Sessional Examination 1	x	x	x	x				
Sessional Examination 2					x	x	x	x
Assignment/Presentation		x	x					
Online course		x	x	x	x			
End Year Examination	x	x	x	x	x	x	x	x
Feedback Process	Course feedback							
Reference Material	1. Clement I. (2015). Text book of management of nursing services and management, (2nded). New Delhi: Elsevier. 2. JogindraVati. (2013). Principles and practices of nursing management and administration for BSc & MSc Nursing, (1sted). New Delhi: Jaypee brothers. 3. Linda Roussel. (2011) Management and leadership for nurse administrators. (6th ed). Jones & Bartlett Learning. 4. Neelam Kumari. (2011). Madhu Sharma. Nursing Services and Administration: PV Books. 5. Ann Marrine Tomy. (1992). Guide to Nursing Management, Mosby Publications.							

Assessment Mapping

Topics/Unit/Hours	Competency level	Impact	Frequency	I X F	Weightage	Marks	Set 1			Set 2			Set 3			Set 4			Set 5		
							Essay (15 marks)	SN (6 marks)	MCQ	Essay (15 marks)	SN (6 marks)	MCQ	Essay (15 marks)	SN (6 marks)	MCQ	Essay (15 marks)	SN (6 marks)	MCQ	Essay (15 marks)	SN (6 marks)	MCQ
Unit 1:Introduction to management in nursing (4 hrs)	C2	2	2	4	0.087	6		6			6			6			6			6	
Unit 2: Management process (8 hrs)	C2	3	3	9	0.196	15	15			15			15			15			15		
Unit 3:Management of nursing services in the hospital and community (12+20 hrs)	C6,P2	3	3	9	0.196	15	15			15			15			15			15		
Unit 4:Organizational behaviour and human relations (5+3 hrs)	C3	3	2	6	0.13	6		6			6			6		15			15		
Unit 5:In Service Education(5+5 hrs)	C3,P2	2	2	4	0.087	6		6			6			6			6			6	
Unit 6:Management of Nursing Educational Institutions (11 hrs)	C3	3	2	6	0.13	15	15			15			15				6			6	
Unit 7:Nursing as a profession (10+2 hrs)	C2	2	2	4	0.087	6		6			6			6			6			6	
Unit 8:Professional Advancement (5 hrs)	C2	2	2	4	0.087	6		6			6			6			6			6	
Total				46	1	75	45	30		45	30		45	30		45	30		45	30	

Summary	Impact	Frequency
Essay 3X15=45 marks	1=Nice to know	1=Rarely
Short note 5x6= 30 marks	2=Need to know	2=Relatively common
	3=Must know	3=very common
Total=75 marks		

Name of the Institution / Department:

Manipal College of Nursing Manipal, Medical Surgical Nursing

Name of the Program:		BSc Nursing						
Course Title:		Medical Surgical Nursing – Internship						
Course Code: -		Course Instructor:						
Academic Year: 2020-2021		Semester: Fourth Year						
No of Hours : 430		Prerequisites: Basic concepts of Medical Surgical Nursing is completed in second year and third year of their course.						
Synopsis:	This course is designed to help the students: 1. To develop an understanding of the various disease conditions in adults 2. To gain proficiency in ICU nursing 3. Safely perform and prioritize appropriate nursing care skills 4. Utilize the requisite knowledge and skill to practice independently and collaboratively with other health professions.							
Course Outcomes (COs):		On successful completion of this course, students will be able to:						
CO 1:		Describe the concepts of comprehensive nursing care in ICU						
CO 2:		Demonstrate an ability to apply comprehensive professional knowledge of the nursing process in management of adult patient with medical surgical health conditions						
CO 3:		Demonstrate nursing management of patients in emergency conditions						
CO4:		Develop skill in setting and handling equipment used in ICU						
CO5:		Develop advanced skill in special procedures performed in critical care unit						
Mapping of COs to POs								
COs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	
CO 1		x	x			x		
CO 2	x	x	x			x		
CO 3	x	x	x			x		
CO 4			x			x		
CO 5	x	x	x			x		
Course content and outcomes:								
Areas	Competencies						No of Hours	
ICU, CCU, CARDIAC OT	• Display skill in performing history collection and demonstrate assessment of adult ICU admitted patient (C6, P5, A5) • Interpret and assist arterial puncture for blood gas analysis (C6, P5, A5) • Perform ECG and interpret accordingly (C5, P5, A5) • Conduct and analyse pulse oximetry (C5, P5, A5) • Demonstrate skill in caring patients with artificial airway (C5, P5, A5)						144	

	• Demonstrate skill in setting up and giving care to patients in ventilator (C5, P5, A5) • Demonstrate medication administration and record accurately in drug sheet (C6, P5, A5). • Acquaint with OT technique and observe special procedure in OT (C6, P5, A5). • Develop IPR with family members (A5)	
Neuro ICU, ITU, OT	• Demonstrate skill in neurological assessment (C5, P5, A5). • Demonstrate skill in caring patients with head injury and spinal cord injury (C5, P5, A5) • Demonstrate skill in providing care to patients with chest surgery and cranial surgery (C5, P5, A5) • Demonstrate skill in providing pre and post-operative care to neurosurgery patients. (C5, P5, A5)	96
Burns and plastic/reconstructive surgery	• Demonstrate skill in assessment of severity of burns (C5, P5, A5) • Demonstrate skill in administering rehydration therapy (C5, P5, A5) • Observe reconstructive surgery (C5, P4, A5)	96
OT (Laparoscopic, orthopaedic, eye, ENT)	• Demonstrate skill in identification of instruments (C6, P5, A5) • Demonstrate skill in assisting in OT setup (C6, P5, A5) • Supervise sterilization and infection control (C6, P5, A5) • Assist in OT table layout (C6, P5, A5) • Observe and monitor immediately after operation (C5, P5, A5) • Assist with common operations (C5, P5, A5)	96
Learning strategies, contact hours and student learning time		
<i>Learning strategy</i>	<i>Contact hours</i>	<i>Student learning time (Hrs)</i>
Direct patient care	300	
Nursing Rounds	32	
Small Group Discussion (SGD)	30	50
Self-directed learning (SDL)	40	100
Case Based Learning (CBL)	30	100
TOTAL	432	250
Assessment Methods:		
Formative:		Summative:
Assignment (Practical)		
Clinical ongoing evaluation		
MC Test		

Mapping of assessment with Cos					
Nature of assessment	CO 1	CO 2	CO 3	CO4	CO5
Assignment (Practical)	x	x	x	x	x
Clinical ongoing evaluation	x	x	x	x	x
MC Test	x	x	x	x	x
Feedback Process	Course Feedback				
Reference Material	1. Black J.M, Hawks JH. Medical surgical nursing- Clinical management for positive outcomes. 8th edition, Mosby publications. 2. Lewis S.L., Heikemper M.M, Dirksen, O.R., O'Brien P.G., Medical Surgical Nursing- Assessment and Management of Clinical problems, 7th edition, Mosby publications. 3. Smeltzer S.C., Bare B.G., Hinkle J.L., Cheever K.H., Brunner and Suddarth., Text book of Medical Surgical Nursing. 11th edition, Wolters Kluwer publications. 4. Gulanick M, Myers J L. Nursing care plans: diagnosis intervention and outcomes, 8th edition, Elsevier publications. 5. Potter P A, Perry A G. Fundamentals of nursing 8th edition. 6. Taylor C. et al., "Fundamentals of Nursing", 6th edition, Lippincott-Williams & Wilkins publications. 7. Gulanick M, Myers J L. Nursing care plans: diagnosis intervention and outcomes, 8th edition, Elsevier publications.				

Name of the Institution / Department:

Manipal College of Nursing Manipal, Child Health (Paediatric) Nursing

Name of the Program:		BSc Nursing					
Course Title:		Child Health Nursing Practical- Internship					
Course Code: -		Course Instructor:					
Academic Year: 2020-2021		Semester/ Year: Fourth Year					
No of Hours: 145		Prerequisites: Nil					
Synopsis:	This course is designed to prepare the students to assume responsibilities as professional, competent paediatric nurses in providing promotive, preventive, and restorative health services to children and their families for medical and surgical conditions, in collaboration with the health team members in the supervised paediatric clinical setting.						
Course Outcomes (COs):		On successful completion of this course, students will be able to::					
CO 1:		Develop skill in providing comprehensive care to children with medical and surgical conditions.					
CO 2:		Demonstrate skill in care of critically ill children in intensive care unit.					
Mapping of COs to POs							
<i>COs</i>	<i>PO 1</i>	<i>PO 2</i>	<i>PO 3</i>	<i>PO 4</i>	<i>PO 5</i>	<i>PO 6</i>	<i>PO 7</i>
CO 1	x	x	x	x		x	x
CO 2	x	x	x	x		x	x
Course content and outcomes:							
<i>Content/ Wards</i>			<i>Competencies</i>			<i>No of Hours</i>	
Unit 1:							
Medical / Surgical Wards			- Performs health and growth and development assessment of children with medical and surgical conditions. (C5, P4, A5) - Displays comprehensive care to children and their families with medical and surgical conditions based on the priority (C5, P4, A5) - Develop skill in providing health education and counselling for children and families (C5, P4, A5) - Demonstrate effective communication with children, families and health team members (C5, A5) - Demonstrate skill in documentation of nursing care activities (C3, P4)				97

Unit 2:		
Paediatric/ Neonatal ICU	• Performs health and growth and development assessment of critically ill children with medical and surgical conditions. (C3, P4, A5) • Displays comprehensive care to critically ill children in intensive care unit and their families based on the priority (C3, P4, A5) • Develop skill in providing health education and counselling for critically ill children and their families (C5, P4, A5) • Demonstrate effective communication with children, families and health team members (C5, A5) • Demonstrate skill in documentation of nursing care activities (C3, P4) • Displays skill in setting and handling monitors, incubators and infusion pumps. (C2, P2) • Reacts appropriately during paediatric emergencies. (C3, P3, A5)	48
Learning strategies, contact hours and student learning time		
<i>Learning strategy</i>	<i>Contact hours</i>	<i>Student learning time (Hrs)</i>
Clinical practice -Direct patient care	126	
Small Group Discussion (SGD)	02	04
Self-directed learning (SDL)	03	06
Case presentation	02	05
Nursing Rounds	02	04
Concept Map	04	12
Clinical teaching	04	04
Assessment/ Quiz/MCQ	02	05
TOTAL	145	40
Assessment Methods:		
Formative:		Summative:
Concept map		
Clinical ongoing evaluation		
Test (MCQ/Quiz)		

Mapping of assessment with Cos		
Nature of assessment	CO 1	CO 2
Concept map	x	x
Clinical ongoing evaluation	x	x
Test (MCQ/Quiz)	x	x
Feedback Process	Course Feedback	
Reference Material	- Wong DL, Hocken berry MJ. (2006). Wong's Nursing Care of Infants and Children. 2006. 7th ed. Mosby: St. Louis, Missouri. - Marlow R. Dorothy, Redding A. Barbara, Marlow's Textbook of Paediatric Nursing, 6th edition 2013, Elsevier. - Kyle T. Carman S. Essentials of Paediatric Nursing. Wolters Kluwer Health/Lippincott Williams & Wilkins, 2016. - Ball J W, BindlerRC, Cowen K. Principles of Paediatric Nursing: Caring for Children, 6th Edition. 2015. Pearson Education. - Datta, P. (2014). Paediatric Nursing. 4th Edition. New Delhi: Jaypee Brothers Medical Publishers. - Sharma R. (2013). Essentials of Paediatric Nursing. 1st ed. Jaypee Brothers Medical Publishers. New Delhi. - Taketomo CK, Hodding JH, Kraus DM. (2001). Paediatric dosage handbook. 7th ed. Lexi- Comp, Inc, Hudson (Cleveland)	

Name of the Institution / Department:
Manipal College of Nursing Manipal, Mental Health Nursing

Name of the Program:		BSc Nursing					
Course Title:		Mental Health Nursing -Internship					
Course Code:		Course Instructor:					
Academic Year: 2020-2021		Semester/ Year: Fourth Year					
No of Hours: 95		Prerequisites: The student should have completed third year of their course					
Synopsis:	This course is designed to help the students: 1. To gain proficiency in Psychiatric nursing. 2. Safely perform and prioritize appropriate nursing care skills. 3. Utilize the requisite knowledge and skill to practice independently and collaboratively with other health professions.						
Course Outcomes (COs):		On successful completion of this course, students will be able to:					
CO 1:		• Use various approaches to assess mental health and mental illness					
CO 2:		• Demonstrate an ability to apply comprehensive professional knowledge of the nursing process in management of patient with mental illness					
CO 3:		• Plan therapeutic interventions for patients with mental illness					
Mapping of COs to POs							
<i>COs</i>	<i>PO 1</i>	<i>PO 2</i>	<i>PO 3</i>	<i>PO 4</i>	<i>PO 5</i>	<i>PO 6</i>	<i>PO 7</i>
CO 1	x	x	x			x	
CO 2	x	x	x	x	x	x	x
CO 3	x	x	x	x	x	x	x
Course content and outcomes:							
<i>Content</i>			<i>Competencies</i>			<i>No of Hours</i>	
Psychiatry in patient ward							
• Assess patients with mental health problems • Observe and assist in therapies • Educate patient and families			• Perform psychiatry history collection and demonstrate mental status examination (C2, P4, A1) • Assist in performing admission, discharge and transfer procedures (C3, P2, A2) • Demonstrate skill in the application of various approaches to assess mental health and mental illness (C3, A3) • Apply therapeutic communication techniques in nurse-patient relationship (C3, A5) • Assist in various therapies for the treatment of mental illness (P5, A2)			95	

	• Assist in electro convulsive therapy (C3, P2, A2) • Provide pre, intra and post ECT care (P3, A5) • Organize activity therapy (P3, A5) • Assist in performing regular physical exercises (C3, P2, A2) • Provide psychoeducation to the patient (P3, A5) • Administer prescribed psychopharmacological drugs (P6, A5) • Display skills in managing patient with suicidal and homicidal intentions (P2, A5) • Demonstrate skill in counselling the mentally ill patients (C3, A3) • Apply the steps of nursing process in care of patient with mental illness (C4, P4, A2)	
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Learning strategies, contact hours and student learning time		
<i>Learning strategy</i>	<i>Contact hours</i>	<i>Student learning time (Hrs)</i>
Lecture	-	-
Case presentation	14	30
Direct patient care	60	-
Self-directed (concept map) learning	06	10
Clinical teaching	14	05
Assessment: MCQ	01	10
TOTAL	95	55

Assessment Methods:	
Formative:	Summative:
Ongoing Clinical Evaluation	-
Assignments (concept map)	-

Mapping of assessment with Cos			
Nature of assessment	CO 1	CO 2	CO 3
Assignments	x	x	x
Coursera	-	-	-
Model Practical examination	-	-	-
University Practical examination	-	-	-

Feedback Process	• Course feedback
Reference Material	1. Keltner NL, Schweck IH, Bostrom CE. Psychiatric Nursing. Toronto: Mosby. 2. Kaplan HI, SadockBJ. Comprehensive textbook of Psychiatry. Philadelphia: Lippincott Com. 3. Townsend MC. Psychiatric Mental health: Concept of Care. Philadelphia: F.A. Davis Company. 4. StuwartCW, Sundeen S.J. Principles and Practice of Psychiatric Nursing. Philadelphia: Mosby. 5. Fortinash KM, WorretPA. Psychiatric Mental Health Nursing. USA: Mosby 6. Ahuja N. A Short Textbook of Psychiatry. New Delhi; JaypeeBrothers

COURSES TO PROGRAMME OUTCOMES MATRIC

PROGRAMME: B.Sc. Nursing

S. No.	COURSE CODE	COURSE TITLE	SLT	PROGRAMME OUTCOMES						
				PO1	PO2	PO3	PO4	PO5	PO6	PO7
1.	BSN101	Anatomy & Physiology		✓	✓					
		Section A: Anatomy	114	✓	✓					
		Section B: Physiology	126	✓	✓					
2	BSN102	Nutrition and Biochemistry								
		Section A: Nutrition	110	✓		✓				
		Section B: Biochemistry	60	✓	✓					
3	BSN103	Nursing Foundations	480	✓	✓	✓			✓	
4	BSN104	Nursing Foundations (Practical)	560	✓	✓	✓			✓	
5	BSN105	Psychology	130	✓						
6	BSN106	Microbiology	120	✓						
7	BSN107	English	120	✓		✓				
8	BSN108	Introduction to Computer	104	✓	✓					
9	BSN201	Sociology	150	✓	✓					
10	BSN202	Medical Surgical Nursing - I	440	✓	✓				✓	
11	BSN203	Medical Surgical Nursing - I (Practical)	400	✓	✓	✓	✓		✓	✓

S. No.	COURSE CODE	COURSE TITLE	SLT	PROGRAMME OUTCOMES						
				PO1	PO2	PO3	PO4	PO5	PO6	PO7
12	BSN204	Pharmacology, Pathology and Genetics								
		Section A: Pharmacology	102		✓	✓				
		Section B: Pathology & Genetics	100	✓	✓	✓				
13	BSN205	Community Health Nursing - I	180 (T) 70 (P)	✓	✓	✓	✓		✓	✓
14	BSN206	Communication and Educational Technology	180	✓	✓	✓	✓			
15	BSN301	Medical Surgical Nursing – II	270	✓	✓	✓	✓		✓	✓
16	BSN302	Medical Surgical Nursing - II (Practical)	260	✓	✓	✓	✓		✓	✓
17	BSN303	Child Health Nursing	200	✓	✓					✓
18	BSN304	Child Health Nursing (Practical)	100	✓	✓	✓			✓	✓
19	BSN305	Mental Health Nursing	238	✓	✓	✓	✓		✓	✓
20	BSN306	Mental Health Nursing (Practical)	50	✓	✓	✓	✓		✓	✓
21	BSN307	Geriatric Nursing	120	✓	✓	✓			✓	✓
22	BSN308	Nursing Research & Statistics	216	✓					✓	
23	BSN401	Midwifery and Obstetrical Nursing	200	✓	✓	✓			✓	✓
24	BSN402	Midwifery and Obstetrical Nursing (Practical)	148	✓	✓	✓	✓		✓	✓
25	BSN403	Community Health Nursing - II	180	✓	✓	✓	✓			✓
26	BSN404	Community Health Nursing - II (Practical)	100	✓	✓	✓	✓		✓	
27	BSN406	Management of Nursing Services and Education	200	✓		✓	✓	✓	✓	

DOMAINS INDICATOR (PO)

- PO1 : Apply knowledge and critical thinking skills in evidence based nursing practice.
- PO2 : Practice comprehensive nursing care for individual and family in various healthcare settings.
- PO3 : Communicate effectively and work in teams with client, family community and healthcare professionals
- PO4 : Demonstrate leadership and teaching skills in nursing education and practice.
- PO5 : Engage in continuous professional and personal development.
- PO6 : Apply ethical principles in nursing practice
- PO7 : Contribute to the healthcare needs of the society through sustainable developmental programmes.

Course to Learning Taxonomy Matrix

PROGRAMME: B. Sc Nursing

			Cognitive (Knowledge)						Psychomotor (Skills)							Affective (Attitudes)				
			Knowledge	Comprehension	Application	Analysis	Synthesis	Evaluation	Perception	Set	Guided response	Mechanism	Complex Overt Re	Adaptation	Origination	Receiving Phenomena	Responding to phenomena balas	Valuing	Organization	Internalizing Value
S. No.	COURSE CODE	COURSE TITLE	C1	C2	C3	C4	C5	C6	P1	P2	P3	P4	P5	P6	P7	A1	A 2	A3	A4	A5
1.	BSN101	Anatomy & Physiology																		
		Section A: Anatomy	✓	✓	✓				✓	✓										
		Section B: Physiology	✓	✓	✓					✓	✓									
2	BSN102	Nutrition and Biochemistry																		
		Section A: Nutrition	✓	✓	✓	✓			✓	✓	✓					✓	✓			
		Section B: Biochemistry	✓	✓	✓					✓										
3	BSN103	Nursing Foundations	✓	✓																

			Cognitive (Knowledge)						Psychomotor (Skills)							Affective (Attitudes)				
			Knowledge	Comprehension	Application	Analysis	Synthesis	Evaluation	Perception	Set	Guided response	Mechanism	Complex Overt Re	Adaptation	Origination	Receiving Phenomena	Responding to phenomena balas	Valuing	Organization	Internalizing Value
S. No.	COURSE CODE	COURSE TITLE	C1	C2	C3	C4	C5	C6	P1	P2	P3	P4	P5	P6	P7	A1	A 2	A3	A4	A5
4	BSN104	Nursing Foundations (Practical)	✓	✓	✓					✓	✓	✓					✓	✓		
5	BSN105	Psychology	✓	✓	✓	✓			✓	✓										
6	BSN106	Microbiology	✓	✓					✓	✓										
7	BSN107	English		✓	✓															
8	BSN108	Introduction to Computer	✓	✓	✓				✓		✓							✓		
9	BSN201	Sociology	✓	✓	✓	✓														
10	BSN202	Medical Surgical Nursing - I	✓	✓	✓	✓														
11	BSN203	Medical Surgical Nursing - I (Practical)	✓	✓	✓				✓	✓	✓	✓				✓	✓	✓		
12	BSN204	Pharmacology, Pathology and Genetics																		

			Cognitive (Knowledge)						Psychomotor (Skills)							Affective (Attitudes)				
			Knowledge	Comprehension	Application	Analysis	Synthesis	Evaluation	Perception	Set	Guided response	Mechanism	Complex Overt Re	Adaptation	Origination	Receiving Phenomena	Responding to phenomena balas	Valuing	Organization	Internalizing Value
S. No.	COURSE CODE	COURSE TITLE	C1	C2	C3	C4	C5	C6	P1	P2	P3	P4	P5	P6	P7	A1	A 2	A3	A4	A5
		Section A: Pharmacology	✓	✓	✓	✓														
		Section B: Pathology & Genetics	✓	✓	✓															
13	BSN205	Community Health Nursing - I	✓	✓	✓	✓			✓	✓	✓	✓				✓	✓	✓		
14	BSN206	Communication and Educational Technology	✓	✓	✓	✓		✓	✓	✓	✓	✓					✓			
15	BSN301	Medical Surgical Nursing - II	✓	✓	✓	✓	✓													
16	BSN302	Medical Surgical Nursing - II (Practical)	✓	✓	✓	✓			✓	✓	✓	✓				✓	✓	✓	✓	
17	BSN303	Child Health Nursing	✓	✓	✓	✓	✓				✓									
18	BSN304	Child Health Nursing (Practical)			✓		✓			✓	✓	✓				✓	✓	✓		

			Cognitive (Knowledge)						Psychomotor (Skills)							Affective (Attitudes)				
			Knowledge	Comprehension	Application	Analysis	Synthesis	Evaluation	Perception	Set	Guided response	Mechanism	Complex Overt Re	Adaptation	Origination	Receiving Phenomena	Responding to phenomena balas	Valuing	Organization	Internalizing Value
S. No.	COURSE CODE	COURSE TITLE	C1	C2	C3	C4	C5	C6	P1	P2	P3	P4	P5	P6	P7	A1	A 2	A3	A4	A5
19	BSN305	Mental Health Nursing	✓	✓	✓		✓		✓	✓										
20	BSN306	Mental Health Nursing (Practical)		✓	✓		✓		✓		✓		✓			✓	✓	✓		✓
21	BSN307	Geriatric Nursing	✓	✓	✓		✓		✓	✓	✓						✓	✓		
22	BSN308	Nursing Research & Statistics	✓	✓	✓															
23	BSN401	Midwifery and Obstetrical Nursing	✓	✓	✓		✓													
24	BSN402	Midwifery and Obstetrical Nursing (Practical)			✓	✓	✓					✓	✓				✓	✓		
25	BSN403	Community Health Nursing - II	✓	✓	✓	✓			✓									✓		
26	BSN404	Community Health Nursing - II (Practical)		✓	✓	✓					✓			✓				✓	✓	

			Cognitive (Knowledge)						Psychomotor (Skills)							Affective (Attitudes)				
			Knowledge	Comprehension	Application	Analysis	Synthesis	Evaluation	Perception	Set	Guided response	Mechanism	Complex Overt Re	Adaptation	Origination	Receiving Phenomena	Responding to phenomena balas	Valuing	Organization	Internalizing Value
S. No.	COURSE CODE	COURSE TITLE	C1	C2	C3	C4	C5	C6	P1	P2	P3	P4	P5	P6	P7	A1	A 2	A3	A4	A5
27	BSN406	Management of Nursing Services and Education	✓	✓	✓		✓	✓	✓	✓	✓	✓								