

COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY
(CUSAT)
CMC COLLEGE OF NURSING
CO-OPERATIVE MEDICAL COLLEGE AND HOSPITAL,
KALAMASSERY,KOCHI-683 503
B.Sc. NURSING-2009 AUGUST ADMISSION

Bachelor of Science in Nursing is a four year degree course of study in a college of nursing affiliated to CUSAT University or conducted by the university .It is broad based education with in an academic framework specifically directed to the development of critical thinking, competencies and standards required for the practice of professional nursing and midwifery: It 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.

Philosophy

All the people have the right for health. Health is a state of well-being that enables a person to lead a physically, psychologically, socially, spiritually and economically productive life. Individuals, families and communities have responsibilities 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 goal 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 and 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 2002.

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 life long 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.

Aim

The main purpose of the programme is to prepare professional nursing graduates who will be able to render comprehensive health care to all, in various settings and participate and co-ordinate nursing service and nursing education at different levels.

Objectives

1. Assess health status, identify nursing needs, plan, implement and evaluate nursing care for patients that contribute to health of the individuals, families and communities.
2. Demonstrate competency in rendering quality health care and techniques of nursing care.
3. Demonstrate critical thinking skills in making decisions in all situations in order to provide quality care
4. Utilize the latest trends and technology in providing health care
5. Provide promotive, preventive and restorative health services in line with the national health policies and programmes
6. Practice within the framework of code of ethics and professional conduct, and acceptable standards of practice within the legal boundaries
7. Communicate effectively with individuals, group and members of the health team in order to promote effective interpersonal relationship and teamwork
8. Develop skills in teaching individuals and group in clinical/community health setting/nursing educational institution

9. Conduct need based research studies in various settings and utilize the research finding to improve the quality of care
10. Demonstrate leadership and management skills in clinical/community settings
11. Demonstrate awareness, interests and contribute towards advancement of self and the profession

Admission requirement

Candidates for admission to the course of Bachelor of Science in Nursing, shall be required to have passed the higher secondary course/pre-degree course or any other course with 10+2 years recognized as equivalent there to by CUSAT University with 50% in science (Physics, Chemistry and Biology) and pass in English

The minimum age for admission shall be 17 years on or before 31st December of the year of admission.

Candidate shall be medically fit

Selection shall be made on the basis of Government medical entrance examination/MERIT/ entrance test by competent authority and according to norms prescribed by Govt./University from time to time.

Duration

Duration of the course shall be 4 years from the date of admission of the student and one year compulsory nursing service after successful completion of the course.

Distribution of one academic year

Course Duration	-	4 years
Weeks available/year	-	52 weeks
Vacation / Holidays	-	8 weeks
Examination (including Preparatory days)	-	4 weeks
Available weeks	-	40 weeks
Hour per week	-	40 hours

Regulations

1. University examination shall be conducted ordinarily twice in a year
2. Candidate shall register for all parts of examination in their first appearance

3. Candidates who have undergone the prescribed course of study for a period not less than 10 (Ten) months of the academic year only can appear for the examination. No candidate shall be admitted to any part of the examination unless she/he has secured a minimum of 80% or above attendance for classes as well as practicals in each subject
4. (a) A candidate who is absent for a total of more than 60 days within a period of three months during an academic year shall not be eligible to continue the course with the same batch of students. He/she may obtain special sanction for readmission with the junior batch of students, from higher authorities. (University /DME/Govt. of Kerala)
(b) Candidates who fail to appear for the examination in any part or parts owing to the shortage of required attendance shall make amends for the lost attendance before appearing for the succeeding examination. If the shortage is beyond the condonable limit, the candidate should repeat with junior batch.
(c) Condonation will be permitted only for theory
5. A candidate must have 100% attendance in each of the practical areas before award of degree
6. Minimum pass mark shall be 50 % (Fifty percentage) for internal examination, both theory and practical individually. If any candidate is not having the minimum class average mark (internal assessment) of 50%, he or she shall not be allowed to appear for the University examination in any subject of that particular year of study

Calculation of internal marks shall be based on the ongoing and continuous assessment as specified below:

i) Theory:

Periodic written examination distributed throughout the year. Average of minimum three examinations for each subject, and evaluation by other methods like assignments, seminars, projects

ii) Practical (clinical)

- (a) Continuous clinical evaluation during the clinical experience of the student as specified by the specific institution, including nursing care study, clinical presentation, planned health teaching programme, projects etc.
- (b) Clinical/practical examination conducted in the concerned practical area

7. Maximum number of attempts permitted for each paper is 3(Three), including the first attempt.

8. A candidate has to pass in theory and practical examination separately in each of the papers.

9. Minimum pass marks shall be 50 %(Fifty percent) in each of the theory and practical papers separately for University examination.

10. If a candidate fails in either theory or practical paper, he/she has to reappear for both the papers (Theory and practical) of that subject.

11. No candidate shall be admitted to the subsequent higher examination unless he/she has passed the previous examination. For eg. no candidate shall be admitted to Second year B.Sc. Nursing examination unless he/she passed first year B.Sc. nursing degree examination.

12. A candidate who fails in any paper or part or in the examination may appear for that paper or whole examination during the subsequent examination.

13. The maximum period to complete the course successfully should not exceed 8 years from the date of admission to the course.

14. A candidate who secure the minimum 50% marks for pass, as specified in the scheme of examination shall be declared passed the examination. Candidates who pass all parts of examination on the first occasion of appearing thereof shall be ranked in order of proficiency as determined by the total marks obtained and shall be arranged in two classes.

Second class: Candidates who have passed the examination with an aggregate of 50% and above.

First class: Those who have secured 65% marks aggregate or above.

Distinction: Those students who have secured aggregate 75% (Seventy five Percent) or above marks be awarded distinction. Candidates who pass in the First class and who obtain not less than 75% of the marks in any subject shall be deemed to have passed with distinction in that subject. Candidates who pass the examination in subsequent appearance shall be ranked only in Second class.

Rank in the Examination: Aggregate marks of all the 4 years regular examinations shall be considered for awarding rank for the B.Sc. Nursing Examination. (A Consolidated mark list consisting of marks of all 4-year examination shall be given to all students).

COURSE OF STUDY

Candidate shall undergo a course of professional study as mentioned below in college of Nursing or in any institution maintained by or affiliated to CUSAT University, for not less than four academic years from the date of admission of the student and internship for a period of one year as per State/University policy.

- I) First year B.Sc course in Nursing
- II) Second year B.Sc course in Nursing
- III) Third year B.Sc course in Nursing
- IV) Fourth year (Final) B.Sc course in Nursing

I Year B.Sc. Nursing Course

The course of study for the First Year B.Sc. Nursing shall be one academic year and comprises the study of the following subjects.

Part -I- Biological Science

- 1. Anatomy
- 2. Physiology
- 3. Microbiology
- 4. Biochemistry
- 5. Nutrition

Part-II- Social and Behavioral Sciences

- 1. Sociology
- 2. Psychology

Part-III- Nursing I

- 1. Nursing Foundations

Part-IV- Community Health

- 1. Introduction to Community Health

Part-V

- 1. Computer Science
- 2. English

II year B.Sc Nursing Course

The course of study for the Second Year B.Sc Nursing shall be one academic year and comprises the study of the following subjects.

Part I- Nursing II

Medical Surgical Nursing I (Adult & Geriatrics)

1. Medical Nursing
2. Communicable Disease Nursing
3. Dermatology
4. Pathology
5. Pharmacology

Part II- Nursing III

1. Surgical Nursing
2. Operation Room Technique
3. Anesthesiology
4. Eye and ENT Nursing

Part III- Nursing IV

1. Community Health Nursing I
2. Family Welfare

III Year B.Sc Nursing Course

The course of study for the Third Year B.Sc Nursing shall be one academic year and comprises the study of the following subjects.

Part I- Nursing V

1. Medical Surgical Nursing-II(Adult & Geriatrics)
2. Mental Health Nursing
3. Child Health Nursing

Part II- Nursing Research

1. Nursing Research
2. Statistics

IV Year (Final Year) B.Sc. Nursing Course

The course of study for the Final Year B.Sc. Nursing shall be one academic year and comprises the study of the following subjects.

Part I- Nursing VI

1. Obstetrical Nursing
2. Gynaecological Nursing
3. Community Health Nursing II

Part I- Education and Administration

1. Nursing Education
2. Management of Nursing Services and Education

Clinical Experience

Candidates shall be posted to hospitals and Community Health Centres as specified by Indian Nursing Council norms for their clinical experience.

Examinations

Candidates shall pass Four University Examination:

- i) First year B.Sc Nursing Examination
- ii) Second year B.Sc Nursing Examination
- iii) Third year B.Sc Nursing Examination
- iv) Fourth year B.Sc Nursing Examination

Scheme of Examination
First Year B.Sc Nursing Examination

Subject	Theory Duration	Practical Duration	Viva
Part I. Biological Science			
Paper I. Anatomy	3 hrs		
Paper II. Physiology	3 hrs		
Paper III. Microbiology	3 hrs		
Paper IV. Nutrition & Biochemistry	3 hrs		
Part II. Social and Behavioural Science			
Paper I. Sociology	3 hrs		
Paper II. Psychology	3 hrs		
Part III. Nursing I			
Paper I. Nursing Foundations	3 hrs	3hrs	Yes
Part IV. Community Health			
Paper I. Introduction to community Health	3 hrs		
Part V			
Computer Science	No University Examination Only		
English	Internal Assessment		

Scheme of Examination
Second Year B.Sc Nursing Examination

Subject	Theory Duration	Practical Duration	Viva
Part I. Nursing II Paper I. Medical Nursing Including Dermatology and Communicable Disease Nursing Paper II. Pharmacology	3 hrs	3 hrs	Yes
Part II. Nursing III Paper I. Surgical Nursing including O.R. Technique, Eye & ENT Nursing	3hrs	-	-
Part III. Nursing IV Community Health Nursing I	3 hrs	3hrs	Yes

Third Year B.Sc Nursing Examination

Part I. Nursing V			
Paper I. Medical Surgical Nursing –II	3 hrs	3 hrs	Yes
Paper II. Mental Health Nursing	3 hrs	3 hrs	Yes
Paper III. Child Health Nursing	3 hrs	3 hrs	Yes
Part II. Nursing Research and Statistics	2 hrs		

Fourth Year B.Sc. Nursing Examination

Part I. Nursing VI			
Paper I. Obstetrical Nursing including Gynaecological Nursing	3 hrs	3hrs	Yes
Paper II. Community Health Nursing II	3 hrs	3 hrs	Yes
Part II. Education and Administration			
Paper I. Nursing Education	3 hrs	-	-
Paper II. Management of Nursing Service and Education	3 hrs	-	-

DISTRIBUTION OF MARKS
I Year B.Sc. Degree Examination in Nursing

Part-Subject	Total Marks	Minimum for pass
Part I. Biological Science		
Paper I. Anatomy		
Written Exam - University	75	37 ½
Written Exam - Class average	25	12 ½
	100	50
Paper II. Physiology		
Written Exam- University	75	37 ½
Written Exam –Class Average	25	12 ½
	100	50
Paper III. Microbiology		
Written Exam- University	75	37 ½
Written Exam- Class Average	25	12 ½
	100	50
Paper IV. Nutrition and Biochemistry		
Written Exam- University	75	37 ½
Written Exam- Class Average	25	17 ½
	100	50

Part II. Behavioural Sciences		
Paper I. Sociology		
Written Exam- University	75	37 ½
Written Exam- Class Average	25	12 ½
	100	50
Paper II. Psychology	75	37 ½
Written Exam- University	25	12 ½
Written Exam- Class Average	100	50
Part III .Nursing I		
Paper I. Nursing Foundations		
Written Exam- University	100	50
Written Exam- Class Average	50	25
Practical & Oral- University	100	50
Practical & Oral – Class average	50	25
	300	150
Part IV. Community Health		
Paper I. Introduction to Community Health		
Written Exam- University	75	37 ½
Written Exam – Class average	25	12 ½
	100	50
Part V		
Computer Science- Class average	25	12 ½
English - Class average	25	12 ½
	50	25
Total Marks in First Year	1050	

Scheme of Evaluation
II Year B.Sc. Degree Examination in Nursing

Part-Subject	Total Mark	Minimum pass
Part I. Nursing II-Medical Surgical Nursing I (Adult including Geriatrics)		
Paper I. Medical Nursing including Dermatology and Communicable Disease Nursing		
Written Exam - University	100	50
Written Exam - Class average	50	25
Practical & Oral - University	100	50
Practical & Oral – Class average	50	25
	300	150
Paper II. Pharmacology	75	37 ½
Written Exam - University	25	12 ½
Written Exam - Class average		
	100	50
Part II. Nursing III		
Paper I. Surgical Nursing Including O.R. Technique & Eye ENT Nursing		
Written Exam - University	100	50
Written Exam - Class average	50	25
Practical & Oral - University	100	50
Practical & Oral – Class average	50	25
	300	150
Part III. Nursing IV	100	50
Paper I. Community Health Nursing I	50	25
Written Exam - University	150	75
Written Exam - Class average		
Total Marks in Second Year	850	425

III Year B.Sc Degree Examination

Part-Subject	Total Mark	Minimum pass
Part I. Nursing V		
Paper I. Medical Surgical Nursing II		
Written Exam - University	100	50
Written Exam - Class average	50	25
Practical & Oral - University	100	50
Practical & Oral – Class average	50	25
	300	150
Paper II. Mental Health Nursing		
Written Exam - University	100	50
Written Exam - Class average	50	25
Practical & Oral - University	100	50
Practical & Oral – Class average	50	25
	300	150
Paper III. Child Health Nursing		
Written Exam - University		
Written Exam - Class average		
Practical & Oral - University	100	100
Practical & Oral – Class average	50	50
	100	100
	50	50
	300	150
Part II. Nursing Research		
Paper I. Nursing Research including Statistics		
Written Exam - University	50	25
Written Exam - Class average	25	12 ½
Research Project	25	12 ½
	100	50
Total Marks in Third Year	1000	500

IV Year B.Sc Degree Examination

Part- Subject	Total Marks	Minimum pass
Part I. Nursing IV		
Paper I.Obstetrical Nursing including Gynaecological Nursing		
Written Exam - University	100	50
Written Exam - Class average	50	25
Practical & Oral - University	100	50
Practical & Oral – Class average	50	25
	300	150
Paper II. Community Health Nursing II	100	50
Written Exam - University	50	25
Written Exam - Class average	100	50
Practical & Oral - University	50	25
Practical & Oral – Class average	300	150
Part II. Education and Administration		
Paper I. Nursing Education		
Written Exam - University	100	50
Written Exam - Class average	50	25
	150	75
Paper II. Management of nursing Services and Education		
Written Exam - University	100	50
Written Exam - Class average	50	25
	150	75

Total Marks in Fourth Year	900	450
Grand Total Marks		
I Year	1050	525
II Year	850	425
III Year	1000	500
IV Year	900	450

Note

1. Nutrition and Biochemistry question paper (University) shall consist of two sections:
Section- A Nutrition of 50 marks and Section- B Biochemistry of 25 marks.
Class average shall also be calculated out of 15 for Nutrition and 10 for Biochemistry.
2. Nursing Research including Statistics shall carry questions of 35 marks for Nursing Research (section A) and 15 marks for Statistics (section B)
3. Question Papers for subjects with theory and practical also prepared in two sections.

Instructions for Conduct of Examination

1. An examiner (internal/external) shall have minimum three years of experience in collegiate programme after the acquisition of Post Graduate Degree.
2. Internal examiner shall be appointed in each subject preferably from within the institution and external examiner in each subject from other institutions preferably from other universities.
3. One internal and one external examiner should jointly conduct practical examination for each student.
4. To be an Examiner for Nursing Foundations course, faculty having M.Sc. Nursing in any specialty, with three years of collegiate teaching experience shall be considered.
5. All practical examinations shall be conducted strictly for 3 hours as prescribed in the syllabus (scheme of examinations) in the concerned Clinical area/ Community field as the case of may be.
6. For practical and oral examinations, the oral examination shall be conducted in a separate session after the practical session on the same day.
7. The number of candidates for practical examination shall not exceed 15 per day.

B.Sc. Degree in Nursing

Duration of the course-4 years

First Year B.Sc. Nursing Duration-One academic Year

Subject	No: of Hours	
	Theory	Practical
Part I- Biological Sciences		
1. Anatomy	80	20
2. Physiology	80	10
3. Microbiology	50	10
4. Biochemistry	30	-
5. Nutrition	40	20
	280	60
Part II-Social and Behavioural Sciences		
1. Sociology	50	-
2. Psychology	60	-
	110	
Part III- Nursing I		
Nursing Foundations	465	450
	(265+200)	

Part IV- Community Health		
Introduction to Community Health	40	40
Part IV.		
1. Computer Science	20	30
2. English		
	30	-
Total		
Grand Total=1525 hrs	945	580

Theory- 945 hrs- 40 hrs/ wk x 24 wks

Practical- 580 hrs- 40 hrs/wk x 15 wks

Vacation/ Holidays - 6 wks

Preparation for examination - 2 wks

Examination - 3wks

Co-Curricular/Library hour - 2 wks

Total - 52 wks

Second Year B.Sc. Nursing- Duration One academic Year

Subject	No. of Hours	
	Theory	Practical
Part I- Nursing –II		
Medical Surgical Nursing –I (Adult and Geriatrics)		
Medical Nursing	115	400
Dermatology Nursing	15	40
Communicable Disease Nursing	10	40
	140	480
Part II- Nursing III		
Surgical Nursing	70	320
O.R. Technique	15	160
Anesthesiology	5	-
Ophthalmology & ENT Nursing	30	80
	(15+15)	
	120	560
Part III-Nursing IV		
Community Health Nursing-I		
Pharmacology	80	120
Pathology	50	-
	30	-
Total Hours	420	1160
Grand Total =1580 hrs		

Theory –420 hrs-40 hrs/wk- 11wks

Practical 1160 hrs 40 hrs/wk - 29 wks

Preparation for examination - 2 wks

Examination - 2 wks

Vacation/Holidays - 6wks

Co-Curricular/Library Hours - 2wks

Total - 52 wks

THIRD YEAR B.Sc. NURSING Duration- One academic year

Subject	No. of Hours	
	Theory	Practical
Part I- Nursing VI		
1. Obstetrical Nursing	90	480
2. Gynaecological Nursing	30	160
3. Community Health Nursing-II	90	320
Part II- Educational Administration		
1. Nursing Education, Communication & Educational Technology	60	160
2. Management of Nursing Services and Education	60 + 30	160
	330	280
Total		
Grand Total=1610 hrs		

Theory- 390 hrs-40 hrs/wks - 10wks

Practical-1200 hrs- 40 hrs/wks - 30wks

Preparation for Examination - 2wks

Examination - 2wks

Vacation/Holidays - 6wks

Co-Curricular/Library hour - 2wks

Total - 52wks

FOURTH YEAR B.Sc. NURSING Duration- One academic year

Subject	No. of Hours	
	Theory	Practical
Part I- Nursing V		
1. Medical Surgical Nursing –III (Adult Geriatrics)	140	400
2. Medical Health Nursing	90	320
3. Child Health Nursing	110	400
4. Nursing Research and Statistics	50	80
	(35+15)	
Total Hours	390	1200
Grand Total=1590 hrs		

Theory-330 hrs –40 hrs /wk	-	8wks
Practical- 1280 hrs-40 hrs/wk	-	32wks
Preparation of examination	-	2wks
Examination	-	2wks
Vacation/Holidays	-	6wks
Co-Curricular/Library Hours	-	2wks
Total	-	52wks

ANATOMY

Placement : First year

Time ; Theory – 80 hours

Lab – 20 hours

Course Description : 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 apply this knowledge in the various practice of nursing.

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
I	5	Describe the anatomical terms, organization of human body and structure of cell, tissues, membranes and glands	Introduction to Anatomical terms organization of the human body - Human cell structure -Tissues- Definition, Types characteristics, classification, location, functions and formation -Membranes and glands - classification and structure Applications and implications in nursing	Lecture discussion Explain using charts microscopic slides, Skeleton & torso Demonstrate cells, types of tissues, membranes and glands	Short answer type Objective type
II	10	Describe the structure & function of bones and joints	The Skeletal system -Bones- types, structure, Axial & Appendicular Skeleton -Bone formation and growth -Description of bones -Joints- classification and structure -Applications and implications in nursing	Lecture discussion Explain using charts, skeleton, loose bones, and joints	Short answer type Objective type
III	7	Describe the structure and function of muscles	The Muscular System -Types and structure of muscles -Muscle groups Alterations in disease Applications and implications in nursing	Lecture discussion Explain using charts, models and films Demonstrate muscular movements	Short answer type Objective type
IV	10	Describe the structure & function of nervous system	The Nervous System -Structure of neurologia & Neurons -Somatic Nervous system Structure of brain, spinal cord, cranial nerves, spinal nerves, peripheral nerves -Autonomic Nervous system sympathetic, parasympathetic -Structure, location Alterations in disease Applications and implications in nursing	Lecture discussion Explain using charts, models slides, specimens	Short answer type Objective type

V	6	Explain the structure & functions of sensory organs	The Sensory Organs Structure of skin, eye, ear, nose, tongue (Auditory and olfactory apparatus) Applications and implications in nursing	Lecture Discussion. Explain using models, charts, slides, specimen	Short answer questions Objective type
VI	10	Describe the structure & function of circulatory and lymphatic system	Circulatory and lymphatic system -The Circulatory system -Blood –Microscopic structure -Structure of Heart -Structure of blood vessels -Arterial & Venous System. -Circulation: systemic pulmonary, coronary -Lymphatic system Lymphatic vessels and lymph Lymphatic tissues Thymus gland Lymph nodes Spleen Lymphatic nodules Applications and implications in nursing	Lecture Discussion. Explain using models, charts, slides, specimen	Short answer questions Objective type
VII	6	Describe the structure & functions of respiratory system	The Respiratory System Structure of the organs of respiration Muscles of respiration Intercostals and Diaphragm Applications and implications nursing	Lecture Discussion Explain using models, torso, charts, slides, specimens	Short answer questions Objective type
VIII	8	Describe the structure & functions of digestive system	The Digestive System Structure of Alimentary tract and accessory organs of digestion Applications and implications in nursing	Lecture Discussion Explain using models, torso, charts, slides, specimens	Short answer questions Objective type
IX	6	Describe the structure & functions of excretory system	The Excretory System Structure of organs of Urinary System : Kidney, ureters, urinary bladder, urethra, structure of skin	Lecture Discussion Explain using models, torso, charts, slides, specimens	Short answer questions Objective type

			Applications and implications in nursing		
X	6	Describe the structure & functions of endocrine system	The Endocrine System Structure of Pituitary, Pancreas, thyroid, Parathyroid, thymus and adrenal glands Applications and implications in nursing	Lecture Discussion Explain using models, torso, charts, slides, specimens	Short answer questions Objective type
XI	6	Describe the structure functions of reproductive system	The Reproductive system including breast -Structure of female reproductive organs -Structure of male reproductive organs Structure of breast Applications and implications in nursing	Lecture Discussion Explain using models, torso, charts, slides, specimens	Short answer questions Objective type

References :

1. Chaurasia B.D. Human Anatomy Vol. I, II & III CBS Publishers, Delhi-32
2. William etal Gray's Anatomy, 38th edn, Churchill Livingstone, NewYork.
3. Tortora Grabowski, Principles of Anatomy and Physiology 8th end Haifer Collins.
4. Kimbler & Gray Text Book of Anatomy & Physioly C.V. Mosby C, St. Louis
5. Milliard etal Human Anatomy and Physiology, W.B. Saunder's Company Philadelphia.
6. Baj Pai, R.N. Human Histology, Jay Pee Brothers Medical Publishers, P.B. Ansari Road, New Delhi.

PHYSIOLOGY

Placement - First year
hours

Time ; Theory – 80

Lab – 10 hours

Course Description The course is designed to assist the students to acquire knowledge of the normal physiology of human body systems and understand the alterations in physiology in diseases and apply this knowledge in the practice of nursing

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
I	4	Describe the physiology of cell, tissues, membranes and glands	Cell Physiology -Tissue-formation, repair -Membranes & glands-functions Applications and implications in nursing	Lecture discussion	Short answer questions Objective type
II	8	Describe the bone formation and growth and movements of skeleton system	Skeletal System -Bone formation & growth -Bones- Functions and movements of bones of axial and appendicular skeleton, bone healing -Joints and joint movement Applications and implications in nursing	Lecture discussion Explain using Charts, models and films Demonstration of joint movements	Short answer questions Objective type
III	6	Describe the muscle movements and tone Demonstrate muscle contraction and tone	Muscular System Muscle movements, Muscle tone, Physiology of muscle contraction, level and maintenance of posture Applications and implications in nursing	Lecture discussion Explain using Charts, models slides, specimen and films Demonstration of muscle movements, tone and contractions	Short answer questions Objective type
IV	12	Describe the physiology of nerve stimulus, reflexes, brain, cranial and spinal nerves Demonstrate reflex action and stimulus	Nervous system -Functions of Neurogia & neurons -Stimulus & nerve impulse definitions and mechanism -Functions of brain, spinal cord, cranial and spinal nerves -Cerebrospinal fluid- Composition, circulation and function -Reflex arc. Reflex action and reflexes, function of Thalamus Hypothalamus, basal ganglion cerebellum	Lecture discussion Explain using Charts, models slides specimen and films Demonstration of nerve stimulus, reflex action, reflexes	Short answer questions Objective type

Unit	Time Hrs	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
			-Autonomic functions Pain: somatic, visceral, and referred Autonomic learning and biofeedback Applications and implications in nursing	Lecture discussion	Short answer questions Objective type
V	8	-Describe the physiology of blood and functions of Heart -Demonstrate blood cell count, coagulation, grouping, Hb, BP and Pulse monitoring	Circulatory system -Blood functions, composition, Blood groups, blood coagulation -Hemoglobin: Structure, Synthesis and breakdown, Variation of molecules, estimation -Functions of Heart, Conduction, Cardiac cycle, circulation-principles, Control, factors influencing BP and Pulse Applications and implications in nursing	Lecture discussion Explain using Charts, films Demonstration of Blood cell count, coagulation, grouping, Haemoglobin estimation, Heart conduction system, Measurement of pulse, BP	Short answer questions Objective type
VI	6	Describe the physiology and mechanisms of respiration Demonstrate spirometry	The Respiratory system -Functions of respiratory organs -Physiology of respiration -Pulmonary respiration, Volume Mechanics of ventilation -Gaseous exchange in lungs -Carriage of oxygen & carbon-dioxide Exchange of gases in tissues Regulation of respiration Applications and implications in nursing	Lecture discussion Explain using charts, films Demonstration of spirometry	Short answer questions Objective type
VII	8	Describe the physiology of digestive system Demonstrate BMR	The Digestive System Functions of organs of digestive tract. Movements of alimentary tract, Digestion in mouth, stomach, small intestine, Large intestines, Absorption of food. Functions of liver, gall bladder and pancreas Metabolism of carbohydrates protein and fat	Lecture discussion Explain using Charts, Films	Short answer questions Objective type
VIII	7	Describe the physiology of excretory system	The Excretory System -Function of kidneys, ureters, urinary bladder & urethra -Composition of urine -Mechanism of urine formation -Functions of skin	Lecture discussion Explain using Charts, films	Short answer questions Objective type

Unit	Time Hrs	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
			-Role of kidney in acid and base balance -Regulation of body temperature Fluid and electrolyte balance Application and implication in nursing		
IX	5	Describe the physiology of sensory organs	The Sensory Organs Functions of skin, eye, ear, nose and tongue Applications and implications in nursing	Lecture discussion Explain using Charts, films	Short answer questions Objective Type
X	5	Describe the physiology of endocrine glands	The Endocrine System Functions of Pituitary, pineal body thymus, Thyroid, parathyroid, pancreas, Suprarenal, Placenta, and ovaries & Testes Applications and implications in nursing	Lecture discussion Explain using Charts, films Demonstration of BMR	Short answer questions Objective Type
XI	6	Describe the physiology of male and female reproductive system	The Reproductive System -Reproduction of cells-DNA, Mitosis, Meiosis, spermatogenesis, oogenesis -Functions of female reproductive organs Functions of breast Menstrual cycle, ovulation -Introduction to embryology -Functions of male reproductive organs, Male function in reproduction, Male fertility system, Applications and implications in nursing	Lecture discussion Explain using Charts, films, Models, specimens	Short answer questions Objective Type
XII	5	Describe the physiology of Lymphatic and Immunological system	Lymphatic and Immunological System -Circulation of lymph -Immunity -Formation of T-cells and B cells -Types of Immune response -Antigens -Cytokines -Antibodies	Lecture discussion Explain using Charts, films	Short answer questions Objective Type

References:

1. Chatterjee CC- Human Physiology, Vol. I & II Medical Allied agencies, Calcutta.
2. Guyton Text Book of Medical Physiology, 9th edn. W.B. Saunders, Philadelphia.
3. Choudhari Concise Medical Physiology 9th edn. W.B. Saunders, Philadelphia.
4. Mahapatra Choudhari, Text Book of Physiology S. Chand & Co.

Microbiology

Placement : First Year
+10 lab)

Time: Theory- 60 Hours (Theory 50

Course Description : This course is designed to enable students to acquire understanding of fundamentals of Microbiology and identification of various micro-organisms. It also provides opportunities for practicing infection control measures in hospital and community settings.

Unit	Time (Hrs)		Learning Objective	Content	Teaching Learning Activities	Assessment method
	Th.	Pr.				
I	5		Explain concepts and principles of microbiology and their importance in nursing	Introduction -Importance and relevance to nursing -Historical perspective Concepts and terminology -Principles of microbiology	Lecture Discussion	Short answers Objective type
II	10	3	-Describe structure, classification morphology and growth of bacteria -Identify Micro organisms	General Characteristics of Microbes -Structure and classification of Microbes -Morphological types -Size and form of bacteria -Motility -Colonization -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	Lecture Discussion Demonstration	Short answers Objective type
III	10	2	-Describe the methods of infection control -Identify the role of nurse in hospital infection control programme	Infection control -Infection: Sources, portals of entry and exit, transmission -Asepsis -Disinfection; Types and methods -Sterilization; Types and Methods Chemotherapy and antibodies -Standard safety measures -Biomedical waste management -Role of Nurse	Lecture Discussion Demonstration Visits to CSSD Clinical practice	Short answers Objective type

				-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.		
IV	15	3	Describe the different disease producing organisms	Pathogenic organisms Micro-organisms -Cocci-gram positive and gram negative -Bacilli-gram positive and gram negative -Spirochetete -Mycoplasma -Rickettsiae -Chlamydiae -Viruses -Fungi-Superficial and Deep mycoses -Parasites -Rodents & vectors Characteristics, Source, portal of entry, transmission of infection Identification of disease producing micro-organisms Collection, handling and transportation of various specimens	Lecture Discussion Demonstration Clinical practice	Short answers Objective type
V	10	2	Explain the concept of immunity, hyper sensitivity and immunization	Immunity Immunity-Types, classification Antigen and antibody reaction Hypersensitivity-skin test Serological tests Immunoprophylaxis Vaccines & sera-Types & Classification, storage and handling cold chain Immunization of various diseases Immunization Schedule	Lecture Discussion Demonstration Clinical practice	Short answers Objective type

References :

1. Ananthanarayan R, Text book of Microbiology – 5th Edn., Orient Longman Ltd., Delhi
2. Collee etal, Practical Medical Microbiology, 13th edn, Churchill Livingstone, New York.
3. Microbiology in Clinical Practice by Shanson 1997

Nutrition

Placement : First Year

Time : Theory : 40 hours

Practical: 20 hours

Course Description: The Course is designed to assist the students to acquire knowledge of nutrition for maintenance of optimum health at different stages of life and its application for practice of nursing

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
	Th.	Pr.				
I	4		Describe the relationship between nutrition & Health	Introduction <ul style="list-style-type: none"> ●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 habits etc ●Role of food and its medicinal value ●Classification of foods ●Food standards ●Elements of nutrition: macro and micro ●Calorie, BMR 	Lecture discussion Explain using charts Panel discussion	Short answer questions Objective type
II	2		Describe the classification, functions, sources and recommended daily allowances (RDA) of carbohydrates	Carbohydrates <ul style="list-style-type: none"> ●Classification ●Caloric value ●Recommended daily allowances ●Dietary sources ●Functions ●Digestion, absorption and storage, metabolism of carbohydrates ●Malnutrition; Deficiencies and Over consumption 	Lecture Discussion Explaining using charts	Short answers Objective type
III	2		Describe the classification, functions, sources and recommended daily allowances (RDA) of Fats	Fats <ul style="list-style-type: none"> ●Classification ●Caloric value ●Recommended daily allowances ●Dietary sources ●Functions ●Digestion, absorption and storage, metabolism ●Malnutrition: Deficiencies and Over consumption 	Lecture Discussion Explaining using charts	Short answers Objective type

Unit	Time (Hrs)	Th. Pr.	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
IV	2		Describe the classification, functions, sources and recommended daily allowances (RDA) of Proteins	Proteins <ul style="list-style-type: none"> ●Classification ●Caloric value ●Recommended daily allowances <ul style="list-style-type: none"> Dietary sources ●Functions ●Digestion, absorption, metabolism and storage ●Malnutrition: Deficiencies and Over consumption 	Lecture Discussion Explaining using charts	Short answers Objective type
V	3		Describe the daily calorie requirement for different categories of people	Energy <ul style="list-style-type: none"> ●Unit of energy-Kcal ●Energy requirements of different categories of people ●Measurements of energy ●Body Mass Index (BMI) and basic metabolism ●Basal Metabolic Rate (BMR) <ul style="list-style-type: none"> -Determination and factors affecting 	Lecture Discussion Explaining using charts Exercise Demonstration	Short answers Objective type
VI	4		Describe the classification functions, sources and recommended daily allowances (RDA) of Vitamins	Vitamins <ul style="list-style-type: none"> ●Classification ●Recommended daily allowances ●Dietary sources ●Functions ●Absorption, synthesis, metabolism, storage and excretion ●Deficiencies ●Hypervitaminosis 	Lecture Discussion Explaining using charts	Short answers Objective type
VII	4		Describe the classification, functions, sources and recommended daily allowances (RDA) of Minerals	Minerals <ul style="list-style-type: none"> ●Classification ●Recommended daily allowances ●Dietary sources ●Functions ●Absorption, synthesis, metabolism, storage and excretion ●Deficiencies ●Over consumption and toxicity 	Lecture Discussion Explaining using charts	Short answers Objective type
VIII	3		Describe the sources, functions and requirements of Water & electrolytes	Water & electrolytes <ul style="list-style-type: none"> ●Water : Daily requirement, regulation of water metabolism, distribution of bodywater ●Electrolytes: Types, sources composition of body fluids ●Maintenance of fluid & electrolyte balance ●Over hydration, dehydration and water intoxication ●Electrolyte imbalances 	Lecture Discussion Explaining using charts	Short answers Objective type

Unit	Time (Hrs)	Th. Pr.	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
IX	5	15	Describe the Cookery rules and preservation of nutrients Prepare and serve simple beverages and different types of foods	Cookery rules and preservation of nutrition <ul style="list-style-type: none"> ●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 	Lecture Discussion Demonstration Practice session	Short answers Objective type Assessment of practice sessions
X	7	5	Describe and plan balanced diet for different categories of people	Balanced diet <ul style="list-style-type: none"> ●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 	Lecture Discussion Explaining using charts	Short answers Objective type
XI	4		Describe various national programmes related to nutrition Describe the role of nurse in assessment of nutritional status and nutrition education	Role of nurse in nutritional Programmes <ul style="list-style-type: none"> ●National programmes related to nutrition -Vitamin A deficiencyprogramme 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 ●Nutritional education and role of nurse 	Lecture Discussion Explaining with Slide/Film shows Demonstration of Assessment of nutritional status	Short answers Objective type

References

1. Swaminathan M. Hand book of Food and Nutrition, Banglore Printing and Publishing Company Limited, Bangalore.
2. Raheena Beegum M. (1991) A Text book of Foods, Nutrition and Dietetics Revised & Enlarged Edition, Sterling Publishers Private Ltd, New Delhi.
3. Mahan L. Kathleen & Escott- Stump Sylvia (2004) Krause's Food, Nutrition & Diet Therapy 11th Edition, Saunders, (Elsevier) Philadelphia.
4. Dudek Susan G (1993), Nutrition Hand book for Nursing Practice' 2nd edition J.B. Lippincott Company. Philadelphia.
5. Gopalan. C. (1993) 'Recent Trends in Nutrition' (1st edn) Oxford University Press, Bombay
6. Alpers David H. et.al 'Mannual of Nutritional Therapeutics 2nd Edition, Little Brown Company, Boston.
7. Gopalan 'Nutritive Value of Indian Foods'
8. Robinson, Normal and Therapeutic nutrition, Oxford and J.B.H. Publishing Company, Bombay.
9. Indian Council of Medical research – recommended dietary intake for rudians, Avon Printing works, Hyderabad.

Biochemistry

Placement- First Year

Time : Theory –30 hours

Course Descriptions: 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 and practice of nursing

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
I	3	Describe the structure composition and functions of cell Differentiate between Prokaryote and Eukaryote cell Identify techniques of Microscopy	Introduction Definition and significance in nursing Review of structure, Composition and functions of cell Prokaryote and Eukaryote cell organization Microscopy	Lecture discussion using charts, slides Demonstrate use of microscope	Short answer question Objective type
II	6	Describe the structure and functions of Cell membrane	Structure and functions of cell membrane Fluid mosaic model tight junction, Cytoskeleton Transport mechanism: diffusion, osmosis, filtration, active channel sodium pump Acid base balance-maintenance & diagnostic tests PH buffers	Lecture discussion	Short answer question Objective type
III	6	Explain the metabolism of carbohydrates	Composition and Metabolism of Carbohydrates Types, structure, composition and uses -Monosaccharides, -Disaccharides -Polysaccharides -Oligosaccharides Metabolism -Pathways of glucose -Glycolysis -Gluconeogenesis:Cori's Cycle, Tricarboxylic acid (TCA) cycle Glycogenolysis -Pentose Phosphate Pathways (Hexosemonophosphate) Regulation of blood glucose level Investigations and their interpretations	Lecture discussion Demonstration of blood glucose monitoring	Short answer question Objective type

Unit	Time (Hrs) Th.	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
IV	4	Explain the metabolism of Lipids	<p>Composition and metabolism of Lipids Types, structure, composition and uses of fatty acids</p> <p>Nomenclature, Roles and prostaglandins Metabolism of fatty acid -Breakdown -Synthesis Metabolism of triacylglycerols Cholesterol metabolism 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</p>	<p>Lecture discussion using charts Demonstration of laboratory tests</p>	<p>Short answer question Objective type</p>
V	6	Explain the metabolism of Amino acids and Proteins	<p>Composition and metabolism of Amino acids and Proteins Types, structure, composition and uses of Aminoacids and Proteins</p> <p>Metabolism of Aminoacids and Proteins -Protein synthesis, targeting glycosylation -Chromatography -Electrophoresis -Sequencing Metabolism of Nitrogen -Fixation and Assimilation -Urea Cycle -Hemes and chlorophylls • Enzymes and co-enzymes -Classification -Properties -Kinetics and inhibition -Control Investigations and their interpretations</p>	<p>Lecture discussion using charts, Demonstration of laboratory tests</p>	<p>Short answer question Objective type</p>

Unit	Time (Hrs) Th.	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
VI	2	Describe types, composition and utilization of Vitamins & minerals	Composition of Vitamins and minerals Vitamins and minerals -Structure -Classification -Properties -Absorption -Storage & transportation -Normal concentration Investigations and their interpretations	Lecture Discussion using charts Demonstration of laboratory tests	Short answer questions Objective type
VII	3	Describe Immunochemistry	Immunochemistry Immune response Structure and classification of immunoglobins Mechanism of antibody production Antigen: HLA typing Free radical and Antioxidants Specialised Protein: Collagen Elastin, Keratin, Myosin, Lens, Proteins Electrophoretic and Quantitative determination of immunoglobins ELISA etc. Investigations and their interpretations	Lecture discussion Demonstrate laboratory tests	Short answer questions Objective type

References

1. Ambika Shanmugham (2001) Fundamentals of Biochemistry for Medical students' 7th Edition, Karthik Offset Press, Chennai.
2. Harbans Lal (2006) Biochemistry for BSc Nursing Students' 1st Edition, India Binding House, Noida
3. Bindu Madala & SM Raju (2004) 'Biochemistry for Nurses' 1st edition, Jaypee Brothers, New Delhi. (1990)
4. Munay etal (1990), Harpees' Biochemistry 22nd Edition. Prentice Hall International Inc. USA.

Psychology

Placement : First year
Hours

Time ; Theory – 60

Course Description : This course is designed to assist the students to acquire knowledge of fundamentals of psychology and develop insight into behaviour of self and others. Further it is aimed at helping them to practice the principles of mental hygiene for promoting mental health in nursing practice .

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	2	Describe the history, scope and methods of psychology	Introduction History and origin of science of psychology Definitions & Scope of Psychology Relevance to nursing Methods of Psychology Relation to other fields of study	Lecture Discussion	Essay type Short answers
II	4	Explain the biology of Human behaviour	Biology of behaviour Body mind relationship modulation process in health and illness Genetics and behaviour : Heredity and environment Brain behaviour: Nervous System,, Neurons and synapse, Association Cortex, Rt and Lt Hemisphere Psychology of Sensations Muscular and glandular controls of behaviour Nature of behaviour of an organism/Integrated responses	Lecture Discussion	Essay type Short answers
III	20	Describe various cognitive processes and their applications	Cognitive Process 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 Factors conducive to effective learning	Lecture Discussion Psychometric assessment Practice sessions	Essay type Short answers

			<p>Memory : Meaning, Types, Nature, Factors influencing, Development, Theories and methods of memorizing and Forgetting</p> <p>Thinking : Types and levels, stages of development, Relationship with language and communication</p> <p>Intelligence: Meaning, Classification, Uses, theories</p> <p>Aptitude: Concept, types, Individual differences and variability</p> <p>Psychometric assessment of cognitive processes</p> <p>Alterations in cognitive processes</p> <p>Applications</p>		
IV	8	Describe motivation, emotions, stress, attitudes and their influence on behaviour	<p>Motivation and Emotional Processes:</p> <p>Motivation : Meaning, Concepts, Types, Theories, Motives and behaviour, Conflicts and frustration , conflict resolution</p> <p>Emotions & stress</p> <p>-Emotions : Definition, components, Changes in emotions, theories, emotional adjustments, emotions in health and illness</p> <p>Stress : stressors, cycle effect, adaptation & coping</p> <p>Attitude: Meaning, nature, development, factors affecting</p> <p>-Behaviour and attitudes</p> <p>-Attitudinal change</p> <p>Psychometric assessments of emotions and attitudes</p> <p>Alterations in emotions</p> <p>Applications</p>	Lecture Discussion Role Plays Case Discussion Demonstration	Essay type Short answers
V	7	Explain the concepts of personality and its influence on behaviour	<p>Personality</p> <p>Definitions, topography, types, Theories</p> <p>Psychometric assessments of personality</p> <p>Characteristics of a healthy personality</p> <p>Alterations in personality</p> <p>Applications</p>	Lecture Discussion Demonstration	Essay type Short answers
VI	7	Describe the psychology of	<p>Developmental Psychology</p> <p>Psychology of people at</p>	Lecture Discussion	Essay type Short

		people during the life cycle	different ages from infancy to old age Psychology of vulnerable individuals- challenged, women, sick, etc. Psychology of groups	Case Discussion	answers
VII	8	Describe the characteristics of Mentally Healthy person Explain ego defence mechanisms	Mental hygiene and mental Health Concepts of mental hygiene and mental health Characteristics of mentally Healthy persons Warning signs of poor mental health Promotive and Preventive mental health-strategies and services Ego Defence mechanisms and implications Personal and social adjustments Guidance and counselling Role of nurse	Lecture Discussion Case Discussion Role Play Demonstration	Essay type Short answers
VIII	4	Explain the psychological assessments and role of nurse	Psychological assessment & tests Types, development Characteristics, Principles, Uses, Interpretations and Role of nurse in psychological assessment	Lecture Discussion Demonstration Practice sessions	Assessment of practice

References :

1. Balachandran M. (2001) Psychology for Nursing Students, 1st edn. Maanas Publishers, Thiruvananthapuram.
2. Charles G. Morris (1988) Psychology : An Introduction, Prentice Hall: New Jersey.
3. David G. Myers (1998) Psychology, 5th edn. Worth Publishers: New York.
4. Dennis P. Saccuzzo (1987). Psychology from research to Application, Allyn and Bacon: London.
5. Douglas A. Bernstein et al. (1994) Psychology, 3rd edn. Houghton Mifflin Co. Boston.
6. Helen C. Sinclair & Josephine N. Fawcett (1991), Altschul's Psychology for Nurses, 4th edn. ELBS and Bailliere Tindall; London
7. James D. Larid & Nicholas S. T
8. Tompson (1991), Psychology, Houghton Mifflin Company: Boston
9. Lester A. Lefton (1997) Psychology, 6th edn. Allyn and Bacon: London.
10. Philip G. Zimbardo (1988). Psychology and life, 12th edn. Prentice – Hall: New Delhi.
11. Robert S. Feldman (1994) Understanding Psychology, 5th edn. MC Graw – Hill College: New Delhi.
12. Razeena Viswambaran (IMS0 Text book of Psychology for Health Professionals.

Sociology

Placement : First Year
hours

Time : Theory: 50

Course Description : This Course is designed to introduce the concepts of sociology related to community & social institutions in India and its relationship with health, illness and nursing

Unit	Time (Hours)	Learning Objectives	Content	Teaching Learning Activity	Assessment methods
	Th				
I	2	State the importance of sociology in Nursing	Introduction Definition of Sociology Nature and Scope of the discipline Importance and application of Sociology in Nursing	Lecture Discussion	Essay type Short answers
II	3	Describe the interrelationship of individual in society and community	Individual & Society Society & Community Nature of Society Difference between Society and Community Process of Socialisation and individualization Personal disorganization	Lecture Discussion	Essay type Short answers
III	3	Describe the influence of culture and on health and disease	Culture Nature of culture Evolution of culture Diversity and uniformity of culture Culture and socialization Transcultural society Influence on health and disease	Lecture Discussion Panel Discussion	Essay type Short answers
IV	4	Identify various social groups and their interactions	Social groups and Processes The meaning and classification of groups Primary & Secondary Group In-group V/s. Out group, Class Tribe, Caste Economic, Political Religious groups, Mob, Crowd, Public and Audience interaction & Social Processes Co-operation, Competition, Conflict Accommodation . Assimilation & Isolation	Lecture Discussion	Essay type Short answers

V	5	Explain the growth of population in India and its impact on health	Population Society and population Population distribution in India Demographic characteristics Malthusian theory of Populations Population explosion in India and its impact on health status Family Welfare programmes	Lecture Discussion Community identification	Essay type Short answers Assessment of report on community identification
VI	5	Describe the institutions of family and marriage in India	Family and Marriage Family- Functions Types- Joint, Nuclear, Blended and extended family Characteristics The Modern Family-Changes, Problems, Dowry etc, Welfare Services Changes & legislations on family and marriage in India-marriage acts Marriage: Forms and functions of marriage, Marriage and family problems in India Family, marriage and their influence on health and health practices	Lecture Discussion Family Case Study	Essay type short answers Assessment of family case study
VII	7	Describe the class and caste system and their influence on health and health practices	Social Stratification Meaning & types of social stratification The Indian Caste System-origin & features Features of Caste in India Today Social Class system and status Social Mobility-Meaning & Types Race as a biological concept, criteria of racial classification Salient features of Primary races- Racism Influence of Class, Caste and Race on health and health practices	Lecture Discussion Community survey	Essay type Short Answers Assessment of report on community survey

VIII	6	Describe the types of communities in India, their practices and the impact on health	Types of Communities in India (Rural, Urban and Regional) Features of village community & Characteristics of Indian Villages Panchayat system, social dynamics Community Development project & Planning project & planning Changes in Indian Rural Life Availability of health facilities in rural and its impact on health and health practices Urban-Community-features The growth of cities Urbanisation and its impact on health and health practices Major Urban problems-Urban Slums Region: Problems and impact on Health	Lecture Discussion Community survey Visits to rural and urban community	Essay type Short answers Assessment of report on community survey
IX	4	Explain the process of Social change	Social Change Nature and process of Social Change Factors influencing Social Change: cultural change Cultural Lag Introduction to theories of social change: Linear, Cyclical, Marxian, Functional Role of nurse-Change agents	Lecture Discussion	Essay type Short answers
X	4	Describe the social system and interrelationship of social organizations	Social organization 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	Lecture Discussion Observation visit	Essay type Short answers Assessment of visit reports
XI	2	Explain the nature and Process of social control	Social Control Nature and process of social control Political, Legal, Religious, Educational, Economic Industrial and Technological Systems, Norms & Values-Folkways & Mores Customs, Laws and fashion , Role of nurse	Lecture Discussion	Essay type Short answers

XII	5	Describe the role of the nurse in dealing with social problems in India	Social Problems Social disorganization Control & Planning: poverty, housing, illiteracy, food supplies, prostitution, rights of women & children, vulnerable groups: Elderly, handicapped, minority groups and other marginalized groups, child labour, child abuse, delinquency and crime, substance abuse, HIV/AIDS Social Welfare programmes in India Role of nurse	Lecture Discussion Institutional visits	Essay type Short answers Assessment of visit reports
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Reference:

1. Lemmon, Mary Isidore Sociology and Social Problems in Nursing (Latest Edn.) C.V. Mosby Company St. Louis.
2. Vatsyayan, Principles of Sociology.
3. Venkataratnam R. Medical Sociology in an Indian setting, (1st edn. MC Millan Company in India Ltd.)

Introduction to Community Health

Placement : First year

Time : Theory – 40 hours
 Practical – 40 hours
 (Observation visit)

Course description : This course is designed for students to appreciate the principles of promotion and maintenance of health, and recognize the significance of positive health in successful living, identify personal and environmental factors affecting health and contribute to healthful living

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Methods	Assessment Method
I	5	Describe concept and dimensions of health	Introduction -Community health nursing -Definition concept and dimensions of health -Promotion of health- Levels of prevention -Maintenance of health	Lecture discussion	Short answers
II	10	Describe the aspects of personal health	Personal Health -Definition, concept, factors influencing Life style, recreation, physical activity, nutrition, clothing, menstrual hygiene, education, occupation spiritual life philosophy, self reliances, Health check up		
III	25	Describe determinants of environmental health	Determinants of Environmental health -Eugenics Environment : Definition Physical: Air, light, Ventilation, Water, Housing, Sanitation, collection & waste management at home & community, disposal of dead bodies, Forestation, Noise, Climate, meteorology -Acts regulating the environment : National	Lecture Discussion Explain using Charts, graphs, Models, films, slides Visits to water supply, sewage, disposal, milk plants, slaughter house etc	Essay type Short answers Objective type

			Pollution Control Board Town planning Village Planning, Bacterial & viral : agents, Host, carriers & Immunity Arthropods & Rodents control -Food hygiene : Production Preservation, Purchase, Preparation, Consumption foods poisoning Acts regulating food hygiene Prevention of food adulteration act, Drugs and cosmetic act		
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Assignments : Report of Observation visits

Observation visit to water purification plant, Dairy farm, Sewage disposal plant, slaughter house.

References:

1. Rao, Kasthuri Sundar, An Introduction to Community Health Nursing, B.I. Publications, Madras.
2. Park J.E. and Park K. Text book of Community Health for Nurses, Assam Publications, Jabalpur.
3. Park. K. Text book of Preventive & Social Medicine Latest edn.
4. Nagpal, N, Community Health Nursing Manual, TNAI Publication, GreenPark, New Delhi.

Computer Science

Placement : First Year
hours

Time : Theory: 20

Practical: 30

hours

Course Description : This course is designed for students to develop basic understanding of uses of computer and its applications in nursing

Unit	Time (Hrs)		Learning Objective	Content	Teaching Learning Activities	Assessment method
	Th	Pr				
I	3		Identify & define various concepts used in computer Identify application of computer in nursing	Introduction Concepts of Computers Hardware and software Trends and technology Application of computers in nursing	Lecture Discussion Demonstration	Short answers Objective type
II	10	20	Describe and use the Disk Operating System Demonstrate skill in the use of MS office	Introduction to disk operating System DOS Windows (all version) MS Word MS Excel with pictorial presentation MS- Access MS-PowerPoint	Lecture Discussion Demonstration Practice session	Short answers Objective type Practical Exam
III	2	3	Demonstrate skill in using multi-media Identify features of computer aided teaching and testing	Multimedia, types & uses Computer aided teaching & testing	Lecture Discussion Demonstration	Short answers Objective type Practical Exam and Viva Voice
IV	1	3	Demonstrate use of internet and Email	Use of Internet and e-mail	Lecture Discussion Demonstration	Short answers Objective type Practical Exam and Viva Voice
V	3	2	Describe and use the statistical packages	Statistical packages: types and their features	Lecture Discussion Demonstration Practice Session	Short answers Objective type Practical Exam and Viva Voice

VI	1	2	Describe the use of Hospital Management System	Hospital Management System: Types and uses	Lecture Discussion Demonstration	Short answers Objective type Practical Exam and Viva Voice
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References

1. Vikas Gupta 'Condex Computer Course Kit Dreamtech Press, New Delhi.
2. H. Dominic Cvvey & Neil Harding McAlister (1980) 'Computers in the practice of medicine' (Vol I & II) Addison-Wesley Publishing Company, Inc.
3. Dheenadayalu. R (1989) 'Computer Science (Vol I & II) Tata McGraw Hill Publishing Company Limited New Delhi.
4. Alicoll Leslie H (2001) 'Computers in Nursings, Nurse's Guide to the Internet' 3rd Edition, Lippincott, Philadelphia
5. Goel M.K. (1989) Introduction to computer Science Sterling Publishers Pvt Ltd, New Delhi.

English

Placement: First year
hours

Time : Theory – 30

Course Description This course is designed to enable students to enhance ability to comprehend spoken and written English (and use English) required for effective communication in their professional work. Students will practice their skills in verbal and written English during clinical and classroom experiences.

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
I	8	Speak and write grammatically correct English	Review of Grammar Remedial study of Grammar Building Vocabulary Phonetics Public Speaking	Demonstrate use of dictionary Class room Conversation Exercise on use of Grammar Practice in public speaking	Objective type Fill in the blanks Para phrasing
II	4	Develop ability to read, understand and express meaningfully the prescribed text	Read and comprehend prescribed course books	Exercise on : Reading Summarizing Comprehension	Short answers Essay type
III	8	Develop writing skills	Various forms of composition Letter writing Note taking Precise writing Nurses notes Anecdotal records Diary writing Reports on health problems etc. Resume/CV	Exercises on writing Letter writing Nurses Notes Precise Diary Anecdote Health Problems Story Writing Resume/CV Essay writing Discussion on written reports/documents	Assessment of the skills based on the check list
IV	6	Develop skill in spoken English	Spoken English Oral report Discussion Debate Telephonic conversation	Exercise on Debating Participating in Seminar, Panel, Symposium Telephonic conversation	Assessment of the skills based on the check list.
V	4	Develop skill in listening comprehension	Listening Comprehension Media, audio, video, speeches etc.	Exercise on : Listening to audio, video tapes and identify the key points	Assessment of the skills based on the check list

NURSING FOUNDATIONS

Placement : I year

Time Theory – 265 hours

Lab: -200 hours

Clinical- 450 hours

Course Description This course is designed to help the students to develop an understanding of the Nursing profession philosophy objectives, theories and application of nursing in various Clinical settings. It is aimed at helping the students to acquire knowledge, understanding and skills in techniques of nursing and practice them in supervised clinical settings.

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
I	10	Describe the concept of health, illness and health care agencies	Introduction <ul style="list-style-type: none"> • Concept of Health illness continuum • Factors influencing health • Causes and risk factors for developing illness • Illness and illness Behaviour • Impact of illness on patient and family • Health Care Services Health Promotion and Prevention Primary Care, Diagnosis, Treatment, Rehabilitation and Continuing Care • Health care teams • Types of health care agencies • Hospitals Types, Organisation and Functions • Health Promotion and Levels of disease prevention 	Lecture discussion Visit to health care agencies	Essay type Short answers Objective type
II	20	<ul style="list-style-type: none"> • Explain concept and scope of Nursing • Describe values, code of ethics and professional conduct for nurses in India 	Nursing as a profession <ul style="list-style-type: none"> • Definition and • Characteristics of profession • Nursing • Definition, Concepts, philosophy, objectives • Characteristics, nature and scope of nursing practice • Functions of nurse • Qualities of a nurse • Categories of nursing personnel • Nursing as a profession • History of Nursing in India 	Lecture Discussion Care discussion Role plays	Essay type Short answers Objective type

Unit	Time Hrs	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
		Explain the basic concepts of conceptual and theoretical models of nursing	<p>Values :Definition, types and values in professional Nursing :Caring and Advocacy</p> <p>Ethics: -Definition and Ethical Principles -Code of ethics and professional conduct for nurse</p> <p>Professional Nursing Concepts and Practices</p> <p>Conceptual and theoretical models of nursing practice: Introduction to models; holistic model, health belief model, health promotion model, etc.</p> <p>Introduction to Theories in Nursing: Abdallah, Henderson's, Orem's, Neuman's, Roger's, Roy's, and Maslow.</p>		
III	10	<p>Communicate effectively with patient families and team members and maintain effective human relations projecting professional image</p> <p>Appreciate the importance of patient teaching in nursing</p>	<p>Communication and Nurse patient relationship</p> <ul style="list-style-type: none"> ● Communication : Levels, Elements, Types, Modes, Process, Factors influencing communication -Methods of Effective Communication - Attending skills -Rapport building skills -Empathy skills -Barriers to effective communication ● Helping Relationships (NPR) - Dimensions of helping relationships, Phases of a helping relationship. <p>Communicating effectively with patient, families and team members and maintain effective human relations with special reference to communicating with vulnerable group (children, women, physically and mentally challenged and elderly)</p> <ul style="list-style-type: none"> ● Patient Teaching : Importance, Purposes, Process, role of nurse and Integrating teaching in Nursing Process 	<ul style="list-style-type: none"> ●Lecture discussion ●Role play and video film on the nurses interacting with the patient ●Practice session on patient teaching ●Supervised Clinical practice 	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p>

IV	30	<p>Describe purpose and process of health assessment Describe the health assessment of each body system</p> <p>Explain the concept, uses, format and steps of nursing process Documents nursing process as per the format</p>	<p>Health assessment</p> <ul style="list-style-type: none"> • Purposes • Process of Health assessment <p>Health history Physical examination : Methods: Inspection, Palpation, Percussion, Auscultation, Olfaction Preparation for examination: patient and unit</p> <p>The Nursing Process</p> <ul style="list-style-type: none"> • Nursing Process Overview • Definition, Steps • Application in Practice • Nursing Process format • Assessment <ul style="list-style-type: none"> Collection of Data : Types Sources, Methods Formulating Nursing judgement : Data interpretation • Nursing diagnosis <ul style="list-style-type: none"> Identification of client problems Nursing diagnosis statement Difference between medical and nursing diagnosis • Planning <ul style="list-style-type: none"> Establishing Priorities Establishing Goals and Expected Outcomes Selection of interventions Protocols and standing Orders Writing the Nursing Care Plan • Implementing the plan of care • Evaluation <ul style="list-style-type: none"> Outcome of care Review and Modify Documentation Reporting 	<ul style="list-style-type: none"> • Lecture • Discussion • Demonstration • Practice on simulators • Supervised Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type
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V	6	Describe the purposes, types and techniques of recording and reporting	Documentation and Reporting <ul style="list-style-type: none"> • Documentation :Purposes of Recording and reporting • Communication within the Health Care Team, • Types of records: ward records, medical/nursing records keeping forms, Computerized documentation • Guidelines for Reporting :Factual Basis, Accuracy, Completeness, correctness, Organization, Confidentiality • Methods of Recording • Reporting : Change of shift reports , Transfer reports, Incident reports • Minimizing legal liability through effective record keeping 	Lecture discussion Demonstration Practice Session Supervised Clinical practice	Essay type Short answers Objective type
VI	6	<ul style="list-style-type: none"> • Explain the admission and discharge procedure • Performs admission and discharge procedure 	Hospital admission and discharge <ul style="list-style-type: none"> • Admission to the hospital -Unit and its preparation admission bed -Admission procedure Special considerations Medico –legal issues Roles and Responsibilities of the nurse • Discharge from the hospital - Types :planned discharge, abscond, referrals and transfers -Discharge Planning - Discharge procedure Special considerations Medico –legal issues Roles and Responsibilities of the nurse Care of the unit after discharge 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Lab Practice • Supervised Clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assess Skills with check list • Clinical practical examination

VII	20	Describe principles and techniques for infection control and biomedical waste management in supervised clinical settings	<p>Infection Control in Clinical settings</p> <ul style="list-style-type: none"> ● Infection control: Nature of infection, Chain of infection, Transmission, Defenses against infection- Natural and acquired ● Hospital acquired infection (Nosocomial infection) ● Concepts of asepsis: medical asepsis and surgical asepsis ● Isolation precautions- (Barrier nursing) <ul style="list-style-type: none"> □ Hand washing : simple hand antisepsis and surgical antisepsis (scrub) □ Isolation : source and protective □ Personal Protecting, Equipments: types, uses and technique of wearing and removing. □ Decontamination of equipment and unit □ Transportation of infected patients □ Standard safety precautions □ (Universal precautions) □ Transmission based precautions ● Biomedical waste management <ul style="list-style-type: none"> □ Importance □ Types of hospital waste □ Hazards associated with hospital waste □ Decontamination of hospital waste □ Segregation Transportation and disposal <p>Hospital Infection Control Committee- Nurse's Role</p>	Lecture Discussion Demonstration Practice session Supervised Clinical practice	<ul style="list-style-type: none"> ● Essay type ● Short answers ● Objective type ● Assess Skills with check list ● Clinical practical examination
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VIII	<ul style="list-style-type: none"> • Describe principles and techniques of monitoring and maintaining vital signs • Monitor and maintain vital signs 	<p>Vital signs Guidelines for taking vital signs</p> <p>Body temperature</p> <ul style="list-style-type: none"> ❑ Physiology, Regulation, Factors affecting body temperature, ❑ Assessment of body temperature sites, ❑ equipments and technique, special considerations ❑ Temperature alterations ❑ Hyperthermia, Heatstroke <p>Hypothermia Care of patients having alterations in temperature. (Hyper & Hypothermia) assessment and management</p> <p>Pulse</p> <ul style="list-style-type: none"> ❑ Physiology and Regulation ❑ Characteristics of the pulse, Factors affecting pulse <p>Assessment of pulse, sites, location, equipments and technique, special</p> <ul style="list-style-type: none"> ❑ consideration. ❑ Alteration in pulse <p>Respiration</p> <ul style="list-style-type: none"> ❑ Physiology and Regulation, ❑ Mechanics of breathing Characteristics of the respiration, Factors of affecting respiration ❑ Assessment of respirations Technique, Special considerations Alterations in respiration <p>Blood pressure Physiology and Regulation, Characteristic of the blood pressure Assessment of blood pressure sites, equipments and technique, special considerations Alterations in blood pressure Recording of vital signs</p>	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Practice • Supervised Clinical practice 	<p>Essay type Short answer Objective type Assess with check list and clinical practical examination</p>
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IX	68	<p>□ Describe the basic, physiological and psychosocial needs of patient</p> <p>Describe the principles and techniques for meeting basic, Physiological and</p> <p>• psychosocial needs of patient</p> <p>Perform nursing assessment, plan, implement and evaluate the care for meeting basic, physiological and psychosocial needs of patient</p>	<p>Meeting needs of patient</p> <ul style="list-style-type: none"> • Basic needs (Activities of daily living) • Provide safe and clean environment <p>Physical environment Temperature, Humidity, Noise, Ventilation, light, Odour, pests control</p> <p>Reduction of Physical hazards fire, accidents</p> <p>Safety devices, Restraints, siderails, airways, trapeze, etc</p> <p>Role of nurse in providing safe and clean environment</p> <p>Patient environment, Room Equipment and linen, making patient beds</p> <p>Types of beds and bed making</p> <p>Comfort Factors influencing comfort Comfort Comfort devices</p> <p>Hygiene -Factors Influencing Hygienic Practice -Hygienic care of the Skin – Bath and pressure points, feet and nail, Oral cavity, Hair Care, Eyes, Ears, and Nose Assessment, Principles, Types, Equipments, Procedure, Special Considerations. Psychological needs Sleep and Rest Physiology of sleep Factors affecting sleep Promoting Rest and sleep Sleep Disorders</p>	<p>Lecture Discussion Demonstration Practice sessions Supervised Clinical Practice</p>	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assess with check list and clinical practical examination
			<p>Nutrition Importance Factors affecting nutritional needs Assessment of nutritional needs variables</p>		•
			<p>Meeting Nutritional needs: Principles, equipments, procedure and special consideration, Oral Enteral: Naso/Orogastric gastrostomy Parenteral:</p>		•

Unit	Time Hrs	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
			<p>Treatment related to GIT system Nasogastric suction,</p> <p>Urinary Elimination Review of physiology of urine Elimination, composition and characteristics of urine, Factors influencing Urination Alteration in Urinary Elimination Retention of urine incontinence assessment and management Types and Collection of urine specimen Observation, urine testing Facilitating urine elimination, assessment, types, equipments, procedures and special consideration Providing urinal/bed pan Condom drainage Perineal care Catheterization Care of urinary drainage Bladder irrigation</p> <p>Bowel Elimination Review of physiology of bowel Elimination Composition and Characteristics of faeces Factors affecting Bowel Elimination Alteration in Bowel elimination constipation, diarrhoea fecal impaction. Nursing management Types and Collection of specimen of faeces Observation Facilitating bowel elimination Assessment Equipments, procedures and special considerations Passing of flatus tube Enemas Suppository Sitz bath Bowel wash</p>		

Unit	Time Hrs	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
			<p>Principles of body Mechanics Mobility and Immobility Maintenance of normal body Alignment and mobility Hazards associated with immobility Alteration in body alignment and mobility Nursing interventions for impaired Body alignment and Mobility assessment, types, devices used, methods and special consideration, rehabilitation aspects Range of motion exercises Maintaining body Alignment : Positions Moving Lifting Transferring Walking Restraints Care of patients having alteration in mobility Assessment of patient having alteration in mobility Assessment of self care ability and special consideration</p> <p>Oxygenation Review of Cardiovascular and respiratory Physiology Factors Affecting Oxygenation Alterations in oxygenation Nursing interventions in oxygenation: assessment types, equipment used, procedure and special consideration. Maintenance of patent airway Oxygen administration Chest physiotherapy and postural drainage Care of chest drainage Pulse oximetry CPR-Basic Life support</p> <p>Fluid, Electrolyte, and Acid Base Balances Review of Physiological Regulation of Fluid Electrolyte, and Acid Base Balances Alterations in Fluid, Electrolyte, and Acid Base imbalances</p>		

Unit	Time Hrs	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
			<p>Assessment, types Equipment procedure and special considerations Measuring fluid intake and output Correcting Fluid Electrolyte imbalance Replacement of fluids : Oral and Parenteral : Venipuncture Regulating IV Flow rates, changing IV solutions and tubing, Changing IV dressing</p> <p>Psychosocial Needs Concepts of Cultural Diversity, Stress and Adaptation, Self-concept, Sexuality, Spiritual Health, Coping with loss, death and grieving Assessment of Psychosocial needs Nursing intervention for psychosocial needs Assist with coping and adaptation Creating therapeutic environment</p> <p>Recreational and diversional therapies Care of patients having alterations in sensory organs visual and hearing impairment, assessment of self care ability. Communication methods and special considerations</p>		
X	3	Explain the principles and types of rehabilitation and identify the Nurse's role .	<p>Definition, goals, Principles Members of the rehabilitation team Types of rehabilitation - Physical, Psychological, social, spiritual, Vocational</p> <p>Role of the Nurse Nursing considerations in rehabilitation Activities of daily living, Mobility, Skin care, Elimination, Diversional activities.</p>		
XI	40	Explain the principles, routes, effects of administration of medications Calculate conversions of drugs and dosages within and between system of	<p>Administration of Medications Principles/Considerations Purposes of medication Principles : 5 rights, Special considerations, Prescriptions, Safety in administering medications and medication Error Drug forms Routes of administration Storage and maintenance of drugs and Nurses</p>	<p>Lecture discussion Demonstration Practice session Supervised Clinical practice</p>	<p>Essay type Short answers Objective type Assess with check list and clinical practical examination</p>

		<p>measurements Administer drugs by the following routes-oral, Intradermal, Subcutaneous, Intramuscular, Intra Venous topical, inhalation</p>	<p>responsibility Broad classification of drugs Therapeutic Effect, Side Effects, Toxic Effects, Idiosyncratic Reactions, Allergic Reactions, Drug Tolerance, Drug Interactions, Factors Influencing drug actions Systems of Drug Measurement: Metric System, Apothecary System, Household Measurements Solutions Converting Measurements Units: Conversion within one system, Conversion between systems, Dosage Calculation, Terminologies and abbreviations used in prescriptions of medications Oral Drugs Administration: Oral, sublingual and Buccal: Equipment, procedure Parenteral General principles decontamination and disposal of syringes and needles Types of parenteral therapies Types of syringes, needles, canula, and infusion sets Protection from Needlestick Injuries : Giving Medications with a syringes Routes of parenteral therapies Intradermal: purpose, site, equipment , procedure, special considerations Subcutaneous: purpose, site, equipment, procedure, special considerations Intramuscular : purpose site, equipment, procedure, special considerations Advanced techniques Intravenous. : purpose, site equipment procedure, special considerations. Epidural, intrathecal Therapeutic uses of heat and cold Hot applications Effect of the body, Classification –hot water bag, infra-red therapy, Fomentation, Sitz bath, Hypo and hyperthermic measures. Cold applications- Cold compress, Ice cap Tepid sponge.</p>		
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Unit	Time Hrs	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
XII	4	Explain the care of terminally ill patient	<p>Care of Terminally ill Patient</p> <p>Co Concepts of Loss, grieving Process</p> <p>Signs of clinical death</p> <p>Care of dying patient: special consideration</p> <p>Advance directives: euthanasia, will, dying declaration, organ donation etc</p> <p>Medico-legal issues</p> <p>Care of dead body</p> <p>Equipment, procedure and care of unit</p> <p>Autopsy</p> <p>Embalming</p>	<p>Lecture</p> <p>Discussion</p> <p>Demonstration</p> <p>Case</p> <p>Discussion/Role Play</p> <p>Practice Session</p> <p>Supervised</p> <p>Clinical Practice</p>	<p>Essay Type</p> <p>Short answers</p> <p>Objective type</p>
XIII	20	Explain the principles of first aid demonstrate application of bandages	<p>First Aid Nursing</p> <p>Definition, preparation of equipment, qualification of a first aider, application of Bandages and Slings.</p> <p>Shifting of patients with spine dislocation, padding and splinting fractured limbs. First aid measures and antidotes in poisoning, Immediate care of patients with snakebite, rabid dog bite, burns, scalds, frost bite, sunstroke, first aid and nursing management in simple emergencies</p> <p>Common accidents, preventive measures</p> <p>emergency care of poisoning wounds- poisoning, foreign body in the eye, ear, nose & throat, cardiopulmonary</p> <p>Resuscitation (CPR)</p>	<p>Lecture</p> <p>Discussion</p> <p>Demonstration</p>	<p>Short answers</p> <p>Multiple Choice</p> <p>Objective type</p>

NURSING FOUNDATIONS- PRACTICAL

Placement: First Year

Time: Practical

Lab: 200 Hours Clinical : 450 hours

Course Description: This course is designed to help the students to develop an understanding of the philosophy, objectives, theories and process of nursing in various clinical settings. It is aimed at helping the students to acquire knowledge, understanding and skills in techniques of nursing and practice them in clinical settings

Areas	Time (Hours)	Objectives	Skills	Assignments	Assessment Methods
Demonstration on Lab. General Medical and surgery ward	450 (Minimum practice time in clinical area)	<p>Performs admission and discharge procedure</p> <p>Prepares nursing care plan as per the nursing process format</p> <p>Communicate effectively with patient families and team members and maintain effective human relations Develops plan for patient</p>	<p>Hospital admission and discharge</p> <p>-Admission</p> <p>-Prepare Unit for new patient</p> <p>- Prepare admission bed</p> <p>-Performs admission procedure New patient</p> <p>Transfer in</p> <p>Prepare patient records</p> <p>Discharge/Transfer out</p> <p>Gives discharge counselling</p> <p>Perform discharge procedure(Planned discharge, LAMA and abscond, Referrals and transfers)</p> <p>Prepare records of discharge/transfer</p> <p>Dismantle, and disinfect unit and equipment after discharge/transfer</p> <p>Perform Assessment</p> <p>History taking, Nursing diagnosis, problem list, Prioritization, Goals & Expected Outcomes, selection of interventions</p> <p>Write Nursing Care Plan</p> <p>Gives care as per the plan</p> <p>Communication</p> <p>Use verbal and non verbal communication techniques</p> <p>Prepare a plan for patient teaching session</p> <p>Write patient report</p> <p>Change of shift reports, Transfer reports, incident reports etc.</p> <p>Presents patient report</p>	<p>Practice in Unit/hospital</p> <p>Role plays in simulated situations on communication techniques – I</p>	<p>Evaluate with checklist</p> <p>-Assessment of clinical performance with rating scale</p> <p>-Completion of Practical record</p> <p>-Assessment of nursing process records with checklist</p> <p>-Assessment of actual care given with rating scale</p>

Areas	Time (Hours)	Objectives	Skills	Assignments	Assessment Methods
			Care of urinary drainage Bladder irrigation Assisting Bowel Elimination Insertion of Flatus tube Enemas Insertion of Suppository Bowel wash Body Alignment and Mobility <ul style="list-style-type: none"> • Range of motion exercises • Positioning: Recumbent, Lateral(rt/lt) Fowlers, Sims, Lithotomy, Prone, Trendelenburg position Assist patient in moving, lifting, transferring walking <ul style="list-style-type: none"> • Restraints Oxygen administration -Suctioning: oropharyngeal, nasopharyngeal -CPR-Basic life support -Intravenous therapy -Collect/assist for collection of specimens for investigations Urine, sputum, faeces vomitus, blood and other body fluids Perform lab tests: Urine: sugar, albumin acetone Blood: sugar (with strip/ gluco-meter) Hot and cold applications Local and general Sitz bath Communicating and assisting with self-care of visually & hearing impaired patients Communicating and assisting with self-care of mentally challenged/disturbed patients		activity record

Areas	Time (Hours)	Objectives	Skills	Assignments	Assessment Methods
		Provide care to dying and dead Counsel and support relatives	Suppository and medicated packing Instillation of medicine and spray into Ear, Eye, Nose and throat Irrigation : Eye, Ear, Blade, Vagina and Rectum Inhalations: dry and moist Care of dying patient Caring and packing of dead body Counselling and supporting grieving relatives Terminal care of the unit		

Total Theory Hours : 265 hrs

Lab Practice : 200 hrs

Clinical practice : 450 hrs

References :

- 1) Potter Patricia A. Fundamentals of Nursing C.V. Mosby Company. St.Louis
- 2) Julia M. Leaby, Patricia E. Kiziky Foundations of Nursing practice – A Nursing Process Approach, W.B. saunders company, Philidelphia, 1998.
- 3) Patricia A. potter, Anne Griffin Perry, Basic Nursing, Essentials for Practice, Mosby 5th edn, 1999.
- 4) Caroline Bunker Rosdahl “ Text book of Basic Nursing” 7th end, Lippincott
- 5) Patricia A. Potter, Anne Griffin Pemy “Basic Nursing – Theory and Practice” Mosby, St. Louis 3rd edn.

Fundamentals of Nursing – A procedure manual TNAI- 2005 Published by TNAI.

Clinical Assignments

- 1) Nursing assessment – 2 (On prescribed assessment format)
- 2) Nursing Care plan- 2
- 3) Nursing Care plan Presentation –1
- 4) Daily Dairy
- 5) Drug file, discussion book
- 6) Procedure book
- 7) Practical record

Evaluation

1 Theory : Three sessional examination 50x3 = 150

Average in 50

2. Clinical

- Ongoing assessment - 50
- Clinical assignment - 25
- Internal Practical - 25

Total 100

SECOND YEAR BSC NURSING

Medical Surgical Nursing-I

(Adult including Geriatrics)

Part I Medical Nursing including Dermatology and
Communicable disease Nursing

Theory : 140

Practical : 480

(12X40)

Placement : II Year

Course description: The purpose of the course is to enable the student to identify the aetiology, pathophysiology, symptomatology, diagnostic measures, course and management (medical, nursing & dietetic) of patients suffering from common Medical, Communicable and Dermatological diseases and plans and provides comprehensive nursing care to such patients based on nursing process.

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment method
	Th.				
I	5	<p>Appreciate the trends in Medicine & medical Nursing</p> <p>Describe the role of a nurse in caring a Medical Patient</p>	<p>Introduction Evolution and trends of Medicine and Medical Nursing Review of concepts of Health and illness Disease-concepts, causations, classification –International Classification Diseases (ICD-10 or later version), Acute illness Chronic illness& Terminal illness, stages of illness Review of Nursing Process Role and responsibilities of nurse in the medical ward Concepts of Medical asepsis</p>	<p>Lecture Discussion Demonstration</p>	<p>Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management</p>

II	10	Describe the common signs symptoms, problems and their Specific nursing interventions	Common signs and symptoms and management Fluid Electrolyte imbalance Acid base imbalance, shock, pain , Odema, Incontinence Dyspnea and cough, fever Unconsciousness, Syncope	Lecture Discussion Demonstration	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management
III	15	Describe investigations of respiratory system Describe the etiology, pathophysiology clinical manifestations, and management of patients with disorders of respiratory system	Nursing Management of patient with respiratory problems Review of anatomy & physiology Nursing Assessment- History & physical assessment of Respiratory system. Diagnostic measures Sputum exam, Manto test Nurses role in X-ray chest Bronchoscopy Bronchography Pulmonary function test Allergic test Thoracynthesis Etiology,Pathophysiology, Clinical manifestations, medical & nursing management of adults including elderly with Upper Respiratory tract infections Bronchitis Bronchieactasis Bronchial Asthma Emphysema Atelectasis Pleurisy COPD Pneumonia Pulmonary Tuberculosis Pleural effusion Respiratory arrest & in sufficiency Pulmonary embolism Special therapies, alternative therapies Chest Physiotherapy Nebulization Postural drainage	Lecture discussion Seminar Case discussion	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management

IV	Cardiologist- 5 Nursing faculty- 20hrs	Describe the etiology, pathophysiology, clinical manifestations, , diagnostic measures and	Nursing management of patients with disorders of Cardio Vascular System Review of anatomy & physiology Nursing Assessment- History & physical assessment Diagnostic Measures & Nurses role in Hematologic assessment Bone Marrow Aspiration	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management	
		Nursing management of patients with blood and cardiovascular problems	ECG, Cardiac catheterization, Echocardiography, TMT Coronary Angiography PET, SPECT, MRI Haemodynamic monitoring -CVP, CO, PAWP, PCWP Vascular system Hypertension Hypotension Atherosclerosis Blood- Anemias, Polycythemia Bleeding Disorders-ITP , Clotting factor defects and platelet defects Haemophilia, Thalassemia Leukaemias Leukopenias, agranulocytosis Lymphomas Myelomas Heart Coronary artery diseases Ischemic Heart Disease Coronary atherosclerosis Angina pectoris Myocardial Infarction Endocarditis, Pericarditis, Myocarditis Cardiomyopathies Rheumatic fever Rheumatic Heart disease CCF, Cor-pulmonale, pulmonary edema, cardiogenic shock, cardiac tamponade Interventional Cardiology Cardiac arrest & CPR Special therapies Blood transfusion, safety checks,	Lecture Discussion Demonstration Practice Session	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management

			<p>procedure and requirements, management of adverse transfusion reaction, records for blood transfusion Management and counseling of blood donors, phlebotomy procedure, and post donation management. Blood bank functioning and hospital transfusion Committee. Bio-safety and waste management in relation to blood transfusion</p> <p>Role of nurse in organ donation, retrieval and banking</p> <p>Drugs used in treatment of blood and cardiovascular disorders</p>		
V	10	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients with digestive disorders	<p>Nursing Management of Patients with disorders of GI System</p> <p>Review of anatomy & physiology</p> <p>Nursing Assessment- History & physical assessment</p> <p>Diagnostic Measures & Nurses role in Endoscopy</p> <p>LFT, Radio opaque Studies- Barium Meal, Barium Swallow, Barium Enema</p> <p>Blood studies</p> <p>Medical & Nursing management of Acid Peptic disease, Irritable Bowel disease, Hepatitis, Cirrhosis, portal hypertension, Hepatic Coma, Special therapies, alternative therapies</p> <p>Nursing procedures</p> <p>Drugs used in treatment of disorders of digestive system.</p>	Lecture Discussion Demonstration Practice Session	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management

VI	10	Describe the etiology, pathophysiology, clinical manifestations, and medical Nursing management of patients with renal and urinary disorders	<p>Nursing Management of disorders of urinary system</p> <p>Review of anatomy and physiology Nursing Assessment- History & physical assessment Diagnostic Measures & Nurses role in Urinalysis</p> <p>Clearance studies, RFT Radiological studies, KUB, IVP, Retrograde Pyelography, Urodynamic studies. Cystoscopy, Renal Arteriography, Medical & nursing management of patients with Nephritis, Nephrotic syndrome, Renal failure-ARF, CRF, Diet in renal failure</p>	Lecture Discussion Demonstration Practice Session	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management
VII	Neurologist 5 hrs. and Nursing faculty 15 hrs	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and medical Nursing management of patients with Central nervous System Disorders	<p>Nursing Management Patients with neurological disorders</p> <p>Review of anatomy & physiology of CNS</p> <p>Nursing Assessment – History & physical & neurological assessment Glasgow coma scale Diagnostic measures & Nurses role in Lumbar puncture CSF Analysis Cisternal puncture</p>	Lecture Discussion Demonstration Practice Session	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management
			<p>Ventriculogram, Cerebral Angiography, EEG, Radiological studies- Brain Scanning, CT Scanning, MRI, MRA, PET, SPECT Cerebral ultrasound Medical & Nursing management of Migraine, Headache, Increased Intracranial pressure, cerebrovascular accident Paraplegia Hemiplegia Quadraplegia Meningitis, Encephalitis ,</p>		

			<p>neurocysticercosis</p> <p>Movement disorders</p> <p>Chorea</p> <p>Seizures</p> <p>Epilepsies</p> <p>Cranial, Spinal Neuropathies Bell's Palsy, Trigeminal neuralgia</p> <p>Peripheral Neuropathy, Guillian Barre Syndrome, Myasthenia Gravis, Multiple Sclerosis</p> <p>Delirium</p> <p>Dementia</p> <p>Alzheimer's disease</p> <p>Parkinsons disease</p> <p>Management of unconscious patients</p> <p>Role of nurse in communicating with patient having neurological deficit</p> <p>Rehabilitation of patient with neurological deficit</p> <p>Role of nurse in long stay facility</p>		
			<p>(institutions) and at home</p> <p>Special therapies Nursing procedures</p> <p>Drugs used in treatment of neurological disorders</p>		
VIII	10	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and Nursing management of patients with endocrine Disorders	<p>Nursing Management of Patient with Endocrine disorders</p> <p>Review of anatomy & physiology Nursing</p> <p>Assessment- History & physical assessment</p> <p>Diagnostic measures and Nurses role in GTT, Blood sugar analysis</p> <p>RBS, FBS, PPBS</p> <p>Iodine uptake studies, Thyroid scanning.</p>		

			Thyroid FNAC Radio nucleide studies Glycosylated Hb test Hormonal studies Thyroid function Test, Medical & Nursing management of Disorders of Thyroid and parathyroid gland Diabetes Mellitus Diabetes Insipidus Adrenal tumour Pituitary disorders Addison's disease Cushing syndrome Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of endocrine system	Lecture Discussion Demonstration Practice Session	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management
IX	10	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and medical Nursing management of patients with Immunological Disorders	Nursing Management of patients with Immunological Disorders Review of Immune system Nursing Assessment Diagnostic Measures Medical & nursing management of Immunodeficiency disorder Primary immuno deficiency Phagocytic dysfunction B-cell and T-cell deficiencies Secondary immunodeficiencies Acquired immunodeficiency syndrome (AIDS) Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of immunological system Immune Deficiency Disease/ Auto Immuno Deficiency Disorders - SLE, Gout, -	Lecture Discussion Demonstration Practice Session Case discussion Health education Supervised clinical practice Drug book/presentati on Orientation visit to Hospital Control System	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management

X	Dermatologist – 5 hrs Nursing faculty – 10hrs	Describe the etiology, pathophysiology, clinical manifestations, , diagnostic measures and Nursing management of patients with disorders of skin & STDs	Nursing Management Patients with Integumentary Disorders & STDS Review of anatomy & physiology of skin and its appendages Nursing Assessment –History & physical assessment Diagnostic measures & Nurses role in VDRL, ELIZA, Skin biopsy, Skin smear Medical & Nursing Management of Infection –Bacterial, viral, fungal parasitic, Eczema, Lesions and abrasions Infection and infestations Dermatitis Dermatoses; Infectious and Non infectious Inflammatory dermatoses Acne Vulgaris Allergies , Psoriasis Malignant melanoma Alopecia Phemphigus Degenerative condition of skin, Syphilis, gonorrhoea, Leprosy Special therapies, Alternative therapies, Drugs used in the treatment of integumentary system	Lecture Discussion Demonstration Case discussion Seminar Health education Supervised clinical practice Drug study	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management
XI	10	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures Nursing and management of patients with Infectious disorders	Nursing Management of patients with Infectious disorders Overview of infectious disease and infectious process, epidemiology, clinical manifestations, treatment medical & nursing management of Tuberculosis Diarrhoeal disorders Hepatitis A-E Herpes Chickenpox Bacterial Infection -Cholera, , Tetanus, Gasgangrene, Plague, Typhoid, Viral Infection- Influenza , Measles, Mumps, Poliomyelitis, , Yellow fever ,Dengue fever, Rabies, Japanese Encephalitis Protozoal, Ricketisial, Helminthiasis s, Leprosy, Spirochete, Parasite-	Lecture Discussion Demonstration Case discussion Seminar Health education Supervised clinical practiced Drug study	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management

			Amebic dysentery, Leptospirosis, Filariasis, HIV/AIDS, Worm Infestation, Malaria, (Review) Barrier Nursing, Special Infection control measures, special therapies, Drugs used treatment of communicable disease		
XII	5	Describe Nursing management of Patients with medical emergencies	Nursing Management of Patients with Medical Emergencies Poisoning, Snake Bite, Allergy & Hypersensitivity reactions.	Lecture Discussion Demonstration	Essay type Short answers Objective type Assessment of skills with check list

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Areas	Duration (in week)	Objectives	Skills	Assignments	Assessment Methods
General Medical Ward (Respiratory GI, Endocrine, Renal, Hematology)	8	Provide nursing care to adult patients with medical disorders Counsel and educate patients and families	Assessment of the patient Taking history Perform general and specific physical examination Identify alterations and deviations Practice medical surgical asepsis- Standard Safety measures Administer medications Oral, IV, IM Subcutaneous IV therapy IV calculation Maintenance and monitoring Oxygen therapy by different methods Nebulization Chest physiotherapy Naso gastric feeding Assist in common diagnostic Perform/Assist in the therapeutic procedures Blood and component therapy Throat Suctioning Collect specimens for common investigations. Maintain elimination Catheterisation Bowel wash Enema Urinary drainage Maintain intake, output and documentation Counsel and teach related to specific conditions	Plan and give care to 3-4 assigned Patients Nursing care plan-2 Nursing case study/presentation –1 Drug presentation – 1 Maintain drug book Maintain Practical record book	Assess performance with rating scale Assess each skill with checklist Evaluation of case study/ presentation Completion of practical record
Cardiology ward	1	Provide nursing care to patients with cardiac disorders	Physical examination of the cardio vascular system Recording and interpreting ECG	Plan and give Care to 2-3 assigned patients	Assess performance with rating scale

		Counsel and educate patients and families	Monitoring of patients Preparation and assisting in non-invasive and invasive diagnostic procedures Administer cardiac drugs Cardio pulmnoray Resuscitation Teach patients and families Practice medical and surgical asepsis Standard safety measures	Nursing care plan –I Nursing case study/ presentation /Health talk – 1 Maintain drug book	Assess each skill with checklist Evaluation of case study/ presentation Completion of practical record
Skin & Communicable diseases Ward	2	Identify the skin problems Provide nursing care to patients with Skin disorders & Communicable diseases Counsel and educate patients and families	Assessment of patients with skin disorders Assist in diagnostic and therapeutic procedures Administer topical medication Practice medical surgical asepsis Standarads safety measures Use of personal protective equipment (PPE) Give Medicated baths Counseling HIV Positive patients Teach prevention of infectious disease	Plan and give Care to 2-3 assigned patients Nursing care plan –I Nursing case study/ presentation /Health talk – 1 Maintain drug book	Assess performance with rating scale Assess each skill with checklist Evaluation of case study/ presentation Completion of practical record
Neurology ward and neuro ICU (Medical)	1	Provide care to patients with neurological disorders Counsel and educate patient and families	Perform Neurological Examination Use Glassgow comascale Assist with diagnostic procedure Assist with therapeutic procedures Teach patients and families Participate in rehabilitation program	Providing care to 2-3 patients With neurological disorders Case study/ Case Presentation- Maintain drug book Health Teaching -I	Assess each skill with checklist Assess performance with rating scale Evaluation cases study & health teaching Completion of activity record

Part II

Surgical Nursing Including OR technique, Eye & ENT Nursing

Placement : II Year

Theory : 120

Practical : 560 (14X40)

Course description: This course is designed to enable the students to identify the etiology pathophysiology , clinical manifestations and management of patients with common surgical conditions and plan and provide comprehensive nursing care based on nursing process during the pre ,intra and post operative period.

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment method
I	8	Appreciate the current trends of surgery and surgical nursing .Describe the concepts in surgical nursing, identify the role of nurses in the surgical ward	History , Trends in surgery and surgical nursing, wound - types, process of wound healing, wound management, surgical dressing Inflammation, Infection, abscess Hemorrhage, shock. Role of Nurse in surgical ward Care of surgical patient General pre operative, intra operative and post operative nursing care.	Lecture discussion	Short answer Objective type
II	15	Describe the organization and physical set up of operation theatre Identify the various instruments and equipments used for common surgical procedure	Peri Operative Nursing Organization and Physical set up of the Operation Theatre(OT) Classifications O.T.DESIGN Staffing ,Members of the OT Team Duties and responsibilities of nurse in O.T. Principles of Health and operating room attire. Instruments Sutures and suture materials Equipments O.T. tables and sets for common surgical procedures		

		Describe the infection control measures in the Operation theatre Describe the role of the nurse in Peri Operative nursing care	Positions and draping for common surgical procedures Scrubbing procedures Gowning and gloving		
	5		Preparation of O.T. Sets, Minor & Major Monitoring the patient during surgical procedures Maintenance of therapeutic environment in O.T. Standard safety measures Infection control Fumigation, disinfection and sterilisation Biomedical waste Management Prevention of accidents and hazards in O.T. Preparation and assisting with common operations <u>Anesthetist</u> Anesthesia : Types Anesthesia agents Methods of administration Effects and Stages Equipments Drugs Management of patients before, during and after anesthesia	Lecture discussion	Essay type Short answer
III	12	Describe the infection control measures in the Operation theatre Describe the role of the nurse in Peri Operative nursing care	Etiology Pathophysiology, clinical manifestations & surgical Management of Patients with Empyema Lung Ca, Lung abscess, chest injury Pre & Post Operative Nursing Management of Patient undergoing pneumonectomy, lobectomy, segmental resection Decortication Care of patients with chest drainage Etiology, Pathophysiology, Clinical Manifestation & Nursing management of patient with vascular disorders Thrombo Angitis Obliterans, Raynauds disease Buerger's disease, Varicose vein Pre & Post Operative Nursing management of Cervical & Lumbar sympathectomy	Lecture Discussion Case discussion Seminar Supervised Clinical Practice Drug study	Essay Objective Short answer Assessment of skills with checklist

IV	18	Describe the Pre and Post Operative management of patients undergoing gastrointestinal surgeries	<p>Nursing Management of Patients with Gastro Intestinal surgeries Review of anatomy and physiology of digestive system Nursing Assessment-History and Physical assessment Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and surgical, dietetics & nursing management of Disorders of Oral cavity-lips, gums, tongue, salivary glands and teeth Oesophagus-inflammation, stricture, obstruction, bleeding and tumours Stomach and deudenumhiatus hernia, gastritis, peptic and deudenal ulcer, bleeding, tumours, pyloric stenosis Small intestinal disorders inflammation and infection, enteritis, malabsorption, obstruction, tumour and perforation Large intestinal disorders Colitis, inflammation and infection, obstruction and tumour. Hernias Appendix-inflammation, mass, abscess, rupture Anal & Rectum Hemorrhoides, fissure, Fistulas, Ca rectum, Pilonidal cyst Peritonitis/acute abdomen Pancreas : inflammation, cyst, abscess and tumours Gall Bladder, inflammation, obstruction, stones and tumours Special therapies, alternative therapies Nursing Procedures Drugs used in treatment of disorders of digestive system.</p>		
			<p>Pre & Post Operative Nursing care of patients undergoing glossectomy, mandibulectomy, Oesophagu gastrectomy, gastrectomy, gastrojejunostomy, Appendicectomy, Cholecystectomy, Cholecystodocotomy, Pancreatectomy, Key hole surgery. colledochomy, colostomy, Ileostomy, Adominoperineal resection, Herniorrhaphy, Hemorrhoidectomy, fistulectomy, fissurectomy,</p>		

V	7	Describe the Pre and Post Operative management of patients undergoing renal & genitourinary surgeries.	Etiology, Pathophysiology, Clinical manifestations and management of Patients with renal calculi, Tumors, Congenital disorders, hydronephrosis, Disorders of ureter, Urinary bladder & Urethra-inflammation, infection, stricture, obstruction, tumor Ca, bladder Benign prostatic hypertrophy, Hydrocele Pre & Post Operative management of Nephrectomy , nephrostomy, Suprapubic cystostomy, Urinary diversions Cystectomy Prostatectomy Hydrocele repair	Lecture Discussion Case discussion Seminar Supervised Clinical Practice Drug study	Essay Objective Short answer Assessment of skills with checklist
VI	10	Describe the surgical management of patient with miscellaneous surgical conditions	Nursing Management Patients with Other conditions Benign & malignant tumors of breast, burns Pre & Post Operative Nursing Mangement of Thyroidectomy Mastectomy and reconstructive surgeries of rest	Lecture Discussion Case discussion	Essay Objective Short answer
VII	Orthopaedion-5hrs Nursing Faculty-10	Describe the etiology, Pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of musculoskeletal system.	Nursing management of patient (adults including elderly) with musculoskeletal problems Review of anatomy and physiology of musculoskeletal system, Nursing Assessment-History and Physical assessment Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and, surgical & nursing management of Disorders of: Muscles, Ligaments and Joints-inflammation, infection, trauma Bones-inflammation, infection, dislocation, fracture, tumour and trauma Osteomalacia and osteoporosis Arthritis Congenital deformities Spinal column-defects and deformities, Tumor, Prolapsed inter vertebral disc, pott's spine	Lecture Discussion Case discussion	Essay Objective Short answer

			<p>Paget's disease Amputation Prosthesis Transplant & replacement surgeries Rehabilitation Special therapies, Nursing management of patients in plastercast, skin & skeletal tractions. Nursing procedures Drugs used in treatment of disorders of musculoskeletal system</p>		
VIII	<p>ENT Surgeon 5 hrs</p> <p>Nursing Faculty – 10 hrs</p>	<p>Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients with disorders of Ear, Nose and throat</p>	<p>Nursing management of patient with disorders of Ear Nose and Throat Review of anatomy and physiology of the Ear Nose and Throat- Nursing Assessment-History and Physical assessment Etiology, Pathophysiology, clinical manifestation, diagnosis, treatment modalities and medical & surgical nursing management of Ear, Nose and Throat disorders: 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-</p> <p>Common cold, sinusitis, ethmoiditis rhinitis, pharyngitis, tonsillitis and adenoiditis, peritonsillar abscess, laryngitis</p> <p>Upper respiratory airway epistaxis, Nasal obstruction, laryngeal obstruction, cancer of the larynx Cancer of the oral cavity Pre & Post Management of patients undergoing ear, Nose and throat surgeries- Mastoidectomy, Tonsillectomy, adenoidectomy, laryngectomy, submucosa resection, tracheostomy</p>	<p>Lecture Discussion Case discussion Seminar Supervised Clinical Practice Drug study Visit to Eye Bank Participation in Eye Camp</p>	<p>Essay Objective Short answer Assessment of skills with checklist</p>

			<p>Speech defects and speech therapy</p> <p>Deafness- Prevention, control and rehabilitation</p> <p>Hearing Aids, implanted hearing devices</p> <p>Special therapies</p> <p>Nursing Procedures</p> <p>Drugs used in treatment of disorders of Ear Nose and Throat</p> <p>Role of nurse Communicating with hearing impaired and muteness.</p>		
IX	<p>Ophthalmologist 5hrs</p> <p>Nursing Faculty 10hrs</p>	<p>Describe the etiology</p> <p>Pathophysiology, clinical manifestations</p> <p>diagnostic measures and Pre & Post Operative management of patients with eye disorders</p>	<p>Nursing Management of patients disorders of Eye</p> <p>Review of anatomy & physiology examination of eye</p> <p>Nursing assessment History & Physical assessment</p> <p>Refractive Errors</p> <p>Eyelids-infection, tumours and deformities</p> <p>Conjunctiva-inflammation and infection, bleeding</p> <p>Cornea- inflammation and infection</p> <p>Lens-cataracts</p> <p>Glaucoma</p> <p>Disorder of the uveal tract,</p> <p>Ocular tumours</p> <p>Disorders of posterior chamber and retina: Retinal and vitreous</p> <p>Retinal detachment</p> <p>Ocular emergencies and their prevention</p> <p>Eye- Injuries</p> <p>Squint</p> <p>Pre & Post Operative management of patients undergoing Ophthalmic surgeries. Cataract surgeries</p> <p>Corneal transplantation</p> <p>Eye Banking,</p> <p>Eye Prosthesis & rehabilitation</p> <p>Blindness</p> <p>Role of a nurse- Communication with visually impaired patient, Eye Camps</p> <p>Special therapies- Nursing procedures</p> <p>Eye irrigation</p> <p>Eyedrops & ointment, Eye dressing</p> <p>Drugs used in the treatment of disorders of eye</p> <p>Current trends in Ophthalmology</p>	<p>Lecture</p> <p>Discussion</p> <p>Case discussion</p> <p>Seminar</p> <p>Supervised Clinical Practice</p> <p>Drug study</p> <p>Visit to Eye Bank</p> <p>Participation in Eye Camp</p>	<p>Essay</p> <p>Objective</p> <p>Short answer</p> <p>Assessment of skills with checklist</p>

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Surgical Nursing-

Practical 560 hrs

Areas	Duration (in week)	Objectives	Skills	Assignments	Assessment Methods
General Surgical Ward GI, Urinary,	6	Provide pre and post operative nursing care to adult patients with surgical disorders Counsel and educate patients and families	Practice medical surgical asepsis Standard safety measures Pre operative preparation of patients Post Operative care Receiving pt, assessment, monitoring care. Care of wounds and drainage Suture removal Ambulation and exercise Naso gastric aspiration Care of chest drainage Ostomy care Gastrostomy Colostomy Enterostomy Blood and component therapy Practice universal precautions	Plan and give care to 3-4 assigned patients Nursing care plan-2 Nursing care study/presentation- 1 Maintain drug book Practical record book	Assess performance with rating scale Assess each skill with checklist Evaluation of case study/ presentation Completion of practical record
Orthopaedic ward	2	Provide nursing care to patients with musculo skeletal disorders Counsel and educate patients and families	Assessment of orthopaedic patients Assist in application of plaster cast and removal of cast Apply skin traction buck's extension traction Assist in application and removal of prosthesis Physiotherapy-Range of motion exercises (ROM) muscle strengthening exercises Crutch maneuvering technique Activities of daily living Ambulation Teach and counsel patients and families	Plan and give care to 2-3 assigned patients Nursing care plan- 1 Nursing care study/presentation-1 Maintain drug book	Assess Performance with rating scale Evaluation of observation report Completion of activity record
Operation Theatre	4	Identify instruments used in common operations	Scrubbing, Gowning, gloving Identify measurements suturing materials for common operation	Assist as a circulatory nurse in Major cases – 10	Assess performance with rating scale

Areas	Duration (in week)	Objectives	Skills	Assignments	Assessment Methods
		Participate in Infection control practices in the Operation Theatre Set up the table trolleys for common operative procedures Assist in giving anesthesia Assist in the operative procedures Provide peri operative nursing care	Disinfection, Carbollizatin fumigation Preparatin of instrument sets of common operations Sterilization of sharps and other instruments Prepare the OT table depending upon the operation of waste as per the guide lines Positioning and monitoring of patients Endotracheal intubation Assisting in minor and major operatins Handling specimens Disposal	Minor cases – 10 Minor cases-5 book Assist as a scrub nurse in Major cases-10 Minor cases-5 Maintain drug book	Completion of activity record
ENT	1	Provide care to patients with ENT disorders Counsel and educate patient and families	Perform examinationof ear, nose and throat Assist with diagnostic procedure Assist with therapeutic procedures Instillation of drops Perform/assist with irrigations Apply ear bandage Perform tracheostomy care Teach patients and families	Providing care to 2-3 assigned patients Nursing case Plan-IU Observation reports of OPD Maintain drug book	Assess each skill with checklist Assess performance with rating scale Evaluation of observation report of OPD Completion of activity record
Ophthalmology	1	Provide care to patients with Eye disorders Counsel and educate patient and families	Perform examination of eye, Assist with diagnostic procedure Assist with therapeutic procedures Perform/assist with irrigations Apply eye bandage Apply eye drops/ointments Assist with foreign body removal Teach patients and families	Providing care to 2-3 assigned patients Nursing case Plan-I Observation reports of OPD & Eye bank Maintain drug book	Assess each skill with checklist Assess performance with rating scale Evaluation of observation report of OPD/Eye Bank Completion of activity record

Community Health Nursing –1

Placement : Second year

Theory - 80 hours
Practical - 120 hours

Course Description : This course is designed to familiarize the students with various concepts and Principles of Community Health and Community Health Nursing and enable the students to identify the different measures towards prevention of disease and promotion of health. It also emphasises the preventive aspects inpatient care and in corporates the different concepts of prevention in their clinical practices either in the hospital or community. It also focuses on the different concepts and principles of family welfare which is essential to the education in various settings.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Methods	Assessment Method
I	10 hrs	Define concepts scope, Principles and historical development of community & Community Health Nursing	Origin & development of Community Health Nursing in India, world & Kerala. Difference between Hospital Nursing and Community Nursing Definition & concepts of Community Health Nursing principles, educational qualification, qualities & function of Community Health Nurse, Health team work	Lecture Discussion	Essay Short answer Question
II	5hrs	Identify the various aspects of health education and apply in the Community Health Nursing practice	Health education Definition, Aim, scope concepts, principles & methods, AV aids, Mass practice media of health education	Lecture Discussion demonstration Role play	Essay Short answer Question

III	10	Describe concepts principles and elements of primary health care.	Primary health care, Primary Health Care-Defenition, Principles, Elements Equitable distribution Community participation Focus on prevention Use of appropriate technology Multi sectoral approach Primary health centers functions process of home visits Bag technique at Village Subcentre	Lecture discussion Visits to various health delivery systems Supervised field Practice Panel discussion	Essay type & Short answer question
IV	10 (Specialist in Community Medicine)	-Describe concept, scope, uses methods and approaches of epidemiology Describe Epidemiology and nursing management of common communicable diseases	Epidemiology -Definition, concept, aims, scope, uses and terminology used in epidemiology -Dynamics of disease transmission: -epidemiological traid -Mordibidy and mortality: Measurements -Levels of prevention -Methods of epidemiology of -Descriptive Analytical : Epidemic investigation Experimental Epidemiology Of Communicable	Lecture Discussion Explain using charts, graphs, Models, films, slides, seminar Supervised field practice Health centers, clinics and homes Group projects/Health Education	Essay type Short answers

			<p>Diseases</p> <ul style="list-style-type: none"> ● Respiratory <p>Infections:</p> <p>Small Pox Chicken Pox,</p> <p>Poliomyelitis</p> <p>Measles , Rubella, Mumps, Influenza, Diphtheria , Whooping Cough, Acute Respiratory Infection, Tuberculosis SARS</p> <ul style="list-style-type: none"> ● Intestinal <p>Infections:</p> <p>Viral Hepatitis, Cholera, Acute Diarrhoeal Diseases, Typhoid Fever, Helminthiasis,</p> <ul style="list-style-type: none"> ● Arthropod- Borne <p>Infections:</p> <p>Malaria, Filariasis, Dengue Syndrome, Kala-Azar.</p> <ul style="list-style-type: none"> ● Zoonotic <p>Infections: viral:</p> <p>Rabies, Japanese Encephalitis, Yellow Fever,</p> <p>Bacterial :</p> <p>Brucellosis</p> <p>Plague Human salmonellosis Anthrax Leptospirosis</p> <ul style="list-style-type: none"> ● Rickettsial <p>zoonoses Scrub typhus Murines typhus Tick, Typhus, Q fever</p> <ul style="list-style-type: none"> ● Parasitic infection <p>Taeniasis</p>		
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			<p>Hydatid disease Leishmaniasis ● Surface Infection Trachoma Tetanus Leprosy STD & RTI Yaws, HIV/AIDS, Any other Emerging & Re-emerging diseases</p>		
VI	10hrs	Describe epidemiology and Nursing management of non-communicable diseases	<p>Epidemiology & Nursing management of Non communicable diseases</p> <p>Eugenics Malnutrition : Undernutrition, Overnutrition, Nutritional deficiencies Anaemia Hypertension Stroke Rheumatic Heart diseases CAD, Cancer DM, Blindness Accidents, Mental illness Obesity Iodine deficiency Fluorosis Epilepsy</p>	<p>-Lecture Discussion -Explain using charts, graphs, models, films, slides, seminar -Supervised field practice health centers, clinics homes -Group projects/Health education</p>	<p>Essay type Short answer Objective type</p>
VII	10	Describe the concepts of demography & family welfare	<p>Demography & Family Welfare</p> <p>●Definition, concept scope, ●Methods of collection, analysis, interpretation of demographic data,</p>	<p>Lecture Discussion Population survey Display contraceptives Practice session Supervised field practice</p>	<p>Essay type Short answers Objective type Assessment of Survey report</p>

		Identify the impact of population explosion in India	demographic transition. ●Demographic rates and ratios Population Explosion and its impact on social economic development of Indian family & society		
VII	20	Describe methods of population control	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 Miscellaneous Terminal : surgical methods Emergency Contraception Role of Community Health Nurse in IEC & family Welfare	Lecture Discussion Population survey Counseling Demonstration Practice session Supervised field practice	Essay type Short answers Objective type Assessment of Survey report
VIII	5	Describe concepts of Health economics	Health economics ●Demand, supply & costs of health care ●Economics of illness in the family ●Home economics Income, budget, Purchasing power Security ●Financing of health care in	Lecture discussion	Essay type Short answer Questions

			India -Cost containment strategies -Improving affordability of health care services		
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COMMUNITY HEALTH NURSING I – Practical

Placement : Second year

Time : Practical – 120 Hrs
(30 hrs per week)

Areas	Duration (in weeks)	Objectives	Skills	Assignments	Assessment method
Community Health Nursing	2 weeks urban and 2 weeks rural	<ul style="list-style-type: none"> ● Builds & maintains rapport midlevel family & community ● Identify demographic characteristics health determinants and community health resources ● Diagnosis of health needs of individual and families. ● Provide primary care in health center ● Counsel and educate individual, family and community ● Provide family welfare services 	<ul style="list-style-type: none"> ● Home visit ● Use Techniques of interpersonal relationship ● Identification of health determinants of community ● History taking ● Physical examination ● Collect specimens – sputum, malaria smear ● Perform simple lab tests- blood for Hb & sugar, urine for albumin & sugar ● Administer vaccines and medications to adults ● Counsel & teach individual, family and community -Nutrition -Hygiene -Self health monitoring -Seeking health services -Healthy life style -Family welfare methods -Health promotion 	<ul style="list-style-type: none"> ● To work with 2 assigned families each in urban and rural health centers ● Health talks 2 (1 each in urban and in rural) ● Participation in the various clinics activities ● Observation report of visit to Panchayati Raj Block office, Mahila Samajam, Anganwadi. 	<ul style="list-style-type: none"> ● Assess clinical performance with rating scale ● Assess each skill with checklist ● Observation report and health talk ● Completion of activity record

Pharmacology

Theory: 50 hours

Placement : II year

Course Description : This course is designed to enable students to acquire understanding of pharmaco dynamics, pharmacokinetics, principles of therapeutics and nursing implications.

Unit	Time	Learning Objectives	Content	Teaching learning Activities	Assessment Method
1	5	Describe pharmaco dynamics, pharmaco kinetics, classification and the principles of drug administration	Introduction to Pharmacology Definitions Sources Terminology used Types: Classification Pharmacodynamics; Actions, therapeutic Adverse, Toxic Pharmacokinetics: Absorption, Distribution, metabolism Interaction, excretion Review: Routes and principles of administration of drugs Indian pharmacopoeia: Legal issues Rational use of drugs Principles of therapeutics	Lecture Discussion	Short answers Objective Type
II	5	Explain chemotherapy of specific infections and	Chemotherapy Pharmacology of commonly used Pencillin	Lecture Discussion Drug Study/presentation	Short answers Objective type

		infestations and nurse's responsibilities	Cephalosporins Aminoglycosides Macrolide & Broad Spectrum Antibiotics Sulfonamides Quinolones Antiamoebic Antimalarials Anthelmintics Antiscabies agents Antiviral & anti-fungal agents Antitubercular drugs Anticancer drugs Immunosuppressants Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse		
III	2	Describe Antiseptics, disinfectants, insecticides and nurse's responsibilities	Pharmacology of commonly used antiseptics disinfectants and insecticides Antiseptics: composition, action, dosage, route indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse Disinfectants Insecticides	Lecture Discussion Drug Study/Presentation	Short answers Objective type
IV	5	Describe Drugs acting on Gastro Intestinal	Drugs acting on G.I. system Pharmacology of commonly used	Lecture Discussion	Short answers

		system and nurse's responsibilities	Antiemetics, Emetics Purgatives Antacids Cholinergics Anticholinergics Fluid and electrolyte therapy Anti diarrhoeals Histamines Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse	Drug.study/presentation	Objective type
V	5	Describe drugs used on Respiratory Systems and nurse's responsibilities	Drugs used on Respiratory Systems Pharmacology of commonly used Antiasthmatics Mucolytics Decongestants Expectorants Antitussives Bronchodialators Bronchoconstrictors Antihistamines Composition, action, dosage, route indications, contraindication, drug interactions, side effects, adverse effects, toxicity and role of nurse	Lecture Discussion Drug study/presentation	Short answers Objective Type
VI	3	Describe Drugs used on Urinary system and	Drugs used on Urinary System Pharmacology of commonly used	Lecture Discussion	Short answers

		nurse's responsibilities	Diuretics and antidiuretics Urinary antiseptics Cholinergic and anticholinergics Acidifiers and alkalanizers Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse	Drug study/presentation	Objective type
VII	2	Describe drugs used in De-addiction, emergency, deficiency of vitamins & minerals, poisoning, for immunization and immuno suppression and nurse's responsibilities	Miscellaneous Drugs used in de-addiction Drugs used in CPR and emergency Vitamins and minerals Immunosuppresants Antidotes Antivenom Vaccines and sera	Lecture Discussion Drugs study/Presentation	Short answers Objective type
VIII	2	Describe Drugs used on skin and mucous membranes and nurse's responsibilities	Drugs used on skin and mucous membranes Topical applications for skin, eye, ear, nose, and buccal cavity Antipruritics Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse	Lecture Discussion Drugs study/Presentation	Short answers Objective type

IX	6	Describe Drugs used on Nervous System and nurse's responsibilities	<p>Drugs acting on Nervous system</p> <p>Basic & applied pharmacology of commonly used :</p> <p>Analgesics and Anaesthetics</p> <ul style="list-style-type: none"> -Analgesics -Nonsteroidal anti-inflammatory (NSAID) drugs -Antipyretics -Hypnotics and Sedatives <p>Opioids</p> <ul style="list-style-type: none"> -Non-Opioids -Tranquilizers <p>General & local anesthetics</p> <p>Gases : oxygen, nitrous Oxide, carbon-dioxide</p> <p>Cholinergic and anti-cholinergics</p> <p>Muscle relaxants</p> <p>Major tranquilizers</p> <p>Antipsychotics</p> <p>Antidepressants</p> <p>Anticonvulsants</p> <p>Adrenergics</p> <p>Noradrenergics</p> <p>Mood stabilizers</p> <p>Acetylcholine</p> <p>Stimulants</p> <p>Composition, action, dosage, route, indications, contraindication, drug interaction, side effects, adverse effects, toxicity and role of nurse</p>	<p>Lecture</p> <p>Discussion</p> <p>Drugs study/Presentation</p>	<p>Short answers</p> <p>Objective type</p>
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X	5	Describe Drugs used on Cardiovascular System and nurse's responsibilities	Cardiovascular drugs Haematinics Cardiotonics, Anti anginals Antihypertensive & Vasodilators Anti-arrhythmics Plasma expanders Coagulants & anticoagulants Antiplatelets& thrombolytics Hypolipidemics Composition, action, dosage, route, indications, contraindications, drug interaction, side effects, adverse effects, toxicity and role of nurse	Lecture Discussion Drugs study/Presentation	Short answers Objective type
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XI	4	Describe drugs used and for hormonal disorders and supplementation, contraception and medical termination of pregnancy and nurse's responsibilities	<p>Drugs used for hormonal disorders and supplementation, contraception and medical termination of pregnancy</p> <p>Insulins & Oral hypoglycemics</p> <p>Thyroid supplements and suppressants</p> <p>Steroids, Anabolics</p> <p>Uterine Stimulants and relaxants</p> <p>Oral contraceptives</p> <p>Other estrogen-progesterone preparations</p> <p>Corticotropin & Gonadotropins</p> <p>Adrenaline</p> <p>Prostaglandins</p> <p>Calcitonins</p> <p>Calcium salts</p> <p>Calcium regulators</p> <p>Composition, action, dosage, route, indications, contraindications, drug interaction, side effects, adverse effects, toxicity and role of nurse</p>	Lecture Discussion Drug study/Presentation	Short answers Objective type
XII	6	Demonstrate awareness of the common drugs used in alternative system of medicine	<p>Introduction to Drugs used in alternative systems of medicine:</p> <p>Ayurveda, Homeopathy, Unani and Siddha etc</p>	Lecture Discussion Observation visit	Short answers Objective type

Reference :

1. Mckenery & Salerno (2001) Mosby's Pharmacology in Nursing . Revised & Updated 21st Edition. Mosby (Elsevier) St. Louis.
2. Hodgson & Kizior 'Saunders Nursing Drug Hand Book 2006 W.B. Saunders Company Philadelphia.
3. Mosby's Nursing Drug Hand book 2006
4. Satoskar, Kale, Bhandarkar (1993) Pharmacology and Pharmacotherapeutics 13th Edition (Vol. I & II) Popular Prakashan Pvt. Ltd. Bombay.
5. Good man & Gilman (1991) The Pharmacological Basis of Therapeutics' 8th Edition (Vol I & II) Pergamom Press, New York,

Pathology

Time : Theory – 30 hours

Placement : II Year

Course Description: This course is designed to enable students to acquire knowledge of pathology of various disease conditions and apply this knowledge in practice of nursing.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching learning Activities	Assessment Method
	Th				
I	3	<p>Define the common terms used in pathology</p> <p>Appreciate the deviations from normal to abnormal structure and functions of the body system</p>	<p>Introduction</p> <p>Importance of the study of pathology</p> <p>Definition of terms</p> <p>Methods and techniques</p> <p>Cellular and Tissue changes</p> <p>Infiltration and regeneration</p> <p>Inflammations and Infections</p> <p>Wound healing</p> <p>Vascular changes</p> <p>Cellular growth, Neoplasms</p> <p>Normal and Cancer cell</p> <p>Benign and Malignant growths</p> <p>In situ carcinoma</p> <p>Disturbances of fluid and electrolyte imbalance</p>	<p>Lecture Discussion</p> <p>Explain using Charts</p>	<p>Short answers</p> <p>Objective Type</p>

II	15	<p>Explain pathological changes in disease conditions of various systems</p>	<p>Special Pathology</p> <ul style="list-style-type: none"> • Pathological changes in disease conditions of various systems: • Respiratory tract Tuberculosis, Bronchitis, Pleural effusion and pneumonia Lung abscess Emphysema, bronchiectasis Bronchial asthma. Chronic obstructive Pulmonary disease & tumours • Cardio-vascular system Pericardial effusion Rheumatic heart disease Infective endocarditis, atherosclerosis 	<p>Lecture Discussion</p> <p>Explain using Charts, slides, specimen, X-rays and Scans</p> <p>Visit to Pathology lab, endoscopy unit and OT</p>	<p>Short answers Objective Type</p>
			<p>Ischemia, infarction & aneurysm</p> <ul style="list-style-type: none"> • Gastro Intestinal Tract Peptic ulcer, typhoid Carcinoma of GI tract buccal , Esophageal, Gastric & intestinal Liver, Gall bladder & pancreas Hepatitis, Chronic liver abscess, cirrhosis Tumours of liver, gall bladder 		

			<p>and pancreas, Cholecystitis</p> <ul style="list-style-type: none"> • Kidneys & Urinary tract <p>Glomerulonephritis, pyelonephritis</p> <p>Calculi, renal failure, renal carcinoma & cystitis</p> <ul style="list-style-type: none"> • Male genital systems <p>Cryptorchidism, testicular Atrophy</p> <p>Prostatic hyperplasia, carcinoma Penis & prostate</p> <ul style="list-style-type: none"> • Female genital system <p>Fibroids</p> <p>Carcinoma cervix and Endometrium</p> <p>Vesicular mole</p> <p>Choriocarcinoma</p> <p>Ectopic gestation</p> <p>Ovarian cyst & tumours</p> <p>Cancer Breast</p> <ul style="list-style-type: none"> • Central Nervous system <p>Hydrocephalus</p> <p>Meningitis, encephalitis</p> <p>Vascular disorders</p> <p>thromobosis, embolism</p> <p>Stroke , paraplegia</p> <p>Quadriplegia, Tumors, Meningioma, gliomas</p> <ul style="list-style-type: none"> • Metastatic tumour • Skeletal system <p>Bone healing</p> <p>Osteoporosis</p> <p>Osteomyelitis</p> <p>Arthritis & tumours</p>		
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III	7	<p>Describe various laboratory tests in assessment and monitoring of disease conditions</p>	<p>Clinical pathology</p> <p>Various blood and bone marrow tests in assessment and monitoring of disease conditions</p> <ul style="list-style-type: none"> -Haemoglobin -RBC, White cell & platelet counts -Bleeding time, clotting time and prothrombin time -Blood grouping and cross matching -Blood chemistry -Blood culture -Serological and immunological tests <p>Other blood tests</p> <p>Examination of Bone marrow</p> <p>Methods of collection of blood specimen for various clinical pathology, biochemistry, microbiology tests, inference and normal values</p>	<p>Lecture Discussion</p> <p>Demonstration</p> <p>Visit to Clinical Pathology & Biochemistry lab and Blood bank</p>	<p>Short answers</p> <p>Objective type</p>
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IV	3	Describe the laboratory tests for examination of body cavity fluids, transudates and exudates	Examination of body cavity fluids, transudates and exudates <ul style="list-style-type: none"> ●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 Methods of collection of CSF and other cavity fluids specimen for various clinical pathology, biochemistry, Microbiology tests, inference and normal values	Lecture Discussion Demonstration	Short answers Objective type
V	2	Describe the laboratory tests for examination of Urine and faeces	Urine and feces <ul style="list-style-type: none"> ●Urine Physical characteristics Analysis Culture and sensitivity <ul style="list-style-type: none"> ●Feces Characteristics Stool examination: occult blood, ova, parasite and cyst, reducing substance etc Methods of collection for various test, inference and normal values	Lecture Discussion Demonstration	Short answers Objective type

Reference

1. Robins, Angell and Kumar, Basic Pathology, W.B. Saunders Company, Philadelphia
2. Smith-La, Microbiology and Pathology. The C.V. Mosby Company St. Louis
3. Morse. M.R. Samer, M.L. & Godale R.H. Microbiology and Pathology for Nurses W.B. Saunders Co. St. Louis
4. Govan, Mae Farlane & Callander- Pathology Illustrated Churchill Livingstone- International Student editon London 1981.

THIRD YEAR BSC NURSING

Medical Surgical Nursing-II

(Adult & Geriatric)

Placement: III year

Theory : 125 hrs

(Nursing faculty:100

Medical faculty: 25)

Practical : 400hrs (10wks)

Course Description : This course is designed to enable the student to recognize the aetiology pathophysiology, symptomatology, diagnostic measures and management of patients with complex medical and surgical conditions in cardiology, cardiothoracic surgery, Neurosurgery, Nephrology, Oncology, plastic & reconstructive surgery, and emergencies and to provide comprehensive Nursing care based on Nursing process approach.

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment method
I	15	Describe the organization of critical care units Describe the role in the nurse in management of patients in critical care units	<p>Nursing Management of patients in critical care Units</p> <p>Introduction: Organisational set up policies, Staffing Norms</p> <p>Classification: Principles of critical care Nursing, Nursing assessment, History, – Physical examination.</p> <p>Protocol, Equipments & supplies – Ventilators, Cardiac, Monitors injection pumps, defibrillators, Resuscitation Equipments, Infection control in CCUs, Ethical and Legal aspects, psychosocial aspects</p> <p>Nursing Management of patients in critical care units, Multi system organ failure</p> <p>CPCR- Basic Life Support, Advanced Life Support</p> <p>Crisis Intervention & Stress Management</p> <p>Drugs used in Critical Care Units</p> <p>Intensive Care Records, Communication with patient and family, Special treatments and procedures.- Cardiac monitoring CVP monitoring , Transitional Care</p>	<p>Lecture</p> <p>Discussion</p> <p>Explain using Charts, graphs, Models, films, slides</p> <p>Demonstration</p> <p>Practice session</p> <p>Case</p> <p>Discussion/Seminar</p> <p>Health education</p> <p>Supervised clinical practice</p> <p>Disaster management</p> <p>Drills Drug book / presentation</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with check list</p> <p>Assessment of patient management problem</p>

II	10	<p>Describe organization of emergency and disaster care services</p> <p>Describe the role of nurse in disaster management</p> <p>Describe the role of nurse in management of common Emergencies</p>	<p>Nursing Management of Patients with Emergencies and Disaster situations</p> <p>Disaster Nursing</p> <p>Concepts and principles of Disaster Nursing Causes and Types of Disaster: Natural and Man-Made Earthquakes, Floods, Epidemics, Cyclones, Tsunami Fire, Explosion, Accidents Violence, Terrorism; biochemical, war Policies related to emergency/disaster Management; International, National State, Institutional Disaster preparedness: Team, Guidelines, protocols, Equipments, Resources Coordination and involvement of . Community, various Govt. departments, non-govt. organizations and International agencies Role of nurse and disaster management Legal Aspects of Disaster Nursing Impact of Health and after effects; Post Traumatic Stress Disorder Rehabilitation; physical, psycho social, Financial, Relocation</p> <p>Emergency Nursing</p> <p>Concept, priorities, principles and Scope of emergency nursing Issues in Emergency Care</p> <p>Organization of emergency</p> <p>Services: physical setup, staffing, equipment and supplies, protocols, Concepts of triage and role of triage nurse Coordination and involvement of different departments and facilities Medico Legal Aspects</p>		
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III	15	<p>Explain the concept, theories and problems of ageing</p> <p>Describe the nursing care of the elderly</p>	<p>Nursing care of the Elderly</p> <p>Demographics in ageing Assessment ageing- concepts, theories, Ageing process Psychosocial aspects, Stress & coping in older adults Cognitive Aspects of Ageing Normal biological ageing Age related body systems changes and health promotion strategies Common health problems & Nursing management Cardiovascular, Respiratory, Musculoskeletal, Endocrine, genito-urinary, gastrointestinal Nuerological, Skin and other Sensory organs Psychosocial and Sexual Abuse of elderly Environmental aspects of ageing Role of Nurse in Care of elderly Ambulation, Nutrition, Psychosocial and spiritual, Drugs Home, Institution Care Role of nurse for caregivers of elderly Role of family and formal and nonformal caregivers. Use of aids and prosthesis (Hearing aids, dentures) Legal & Ethical Issues Provisions and Programmes for elderly, privileges, Community Programs and health services,</p>	<p>Lecture discussion Case discussion Seminar Health education Supervised clinical practice Drug book presentation Visit Oldage home</p>	<p>Essay Short answer Objective type Assessment skills with checklist Assessment of patient management</p>
IV	5 5	<p>Describe the nursing management of patient with respiratory disorders</p>	<p>Nursing Management of Patients with Respiratory disorders <u>Medical Faculty</u>(Department of Respiratory Medicine) ARDS, Pulmonary Oedema, Interstios Lung disease, Mechanical ventilatory support Nursing Faculty Nursing Management of Patients with ARDS, Pulmonary odema, Interstitial Lung Disease. Nursing Management of Patients of Mechanical ventilators</p>	<p>Lecture Discussion</p>	<p>Short Answer Questions Objective Type</p>

		<p>Nursing Assessment- History and Physical assessment Prevention, Screening, Early detection, Warning signs of cancer Epidemiology, Etiology, Classification, Pathophysiology, Staging, clinical manifestation, 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, Uterus, Bladder, Prostate etc Oncological emergencies Modalities of treatment Nurses Role in Immunotherapy Chemotherapy Radiotherapy Surgical Interventions Stem cell and Bone marrow transplantation Genetherapy Other forms of treatment Psychosocial aspects of cancer Rehabilitation Palliative care; Symptom and Pain Management, Nutritional Support Home care, Hospice care Stomal Therapy, Special therapies</p>	<p>Lecture discussion Explain using Charts, graphs, Models, Films, Slides Demonstration Practice session case Discussion/se minar Health education Supervised Clinical practice Drug book presentation</p>	<p>Essay Short answer Objective type Assessment skills with checklist Assessment of patient managemen t problem</p>
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IX	5	Describe the significance of plastic, Reconstructive and cosmetic surgery	Nursing Management of patients undergoing plastic, reconstructive and cosmetic surgeries Medical Faculty(Plastic surgeon) Skin graft - Types of Repair Traumatic Injuries, burns, Congenital defects Cosmetic surgeries-Prosthesis Nursing Faculty Nursing Assessment Nursing Management in skin graft	Lecture discussion Explain using Charts, graphs, Models, Films, Slides Demonstration Practice session case Discussion/seminar Health education	Essay Short answer Objective type Assessment skills with checklist
			Pre & Post Operative Care of patients undergoing plastic reconstructive and cosmetic surgeries Legal aspects, Rehabilitation	Supervised Clinical practice Drug book presentation	Assessment of patient management problem

References :

1. Bruner and Suddarth's text book of Medical Surgical Nursing, 10th Edition, Lippincott, Williams & Wilkins 2004.
2. Black and Mattansarin- Jacobs, Luckmann and Sorensens' Medical Surgical Nursing, Philadelphia W.B. Saunders.
3. Lemone Pricilla and Burke, Karen M. Medical Surgical Nursing California Addison-Wesley Nursing.
4. Krishna Das, Text Book of Medicine, New Deli, Jaypee Brothers.
5. Haslett, Chilvers, Hunter and Boon. Davidson's Principles and Practice of Medicine Edinburgh. Churchill Living stone.
6. Miaskewski & Buchoel-Oncology Nursing Assessment and clinical care St. Louis Mosby.
7. Otto Shirley E. Oncology Nursing St. Leuis Mosby.
8. Hicky, Joanne V The clinical practice of Neurological and Neurosurgical Nursing, Philadelphia, Lippincott.
9. Woods, Sivarajan Fre Elkher & underhill Motzer. Caardiac Nursing Philadelphia, Lippincott.
10. Daver, Antina and Furnas, Hand book of plastic surgery, Bombay Oxford University Press.
11. Dr. KasiViswesaran "Essentials of Nephrology & Urology
12. Patricia Tabloski 'Gerontological Nursing, 2006 Pearson PrenticeHall.
13. Joanne C Langan: "Preparing Nurses for Disaster Management" 2005, Pearson PrenticeHall.

Medical Surgical Nursing- Practical- II

(Adults and Geriatrics)

400 hrs

Areas	Duration (in wks)	Objectives of Posting	Skills to be developed	Assignments	Assessment method
Critical Care Unit (general) MICU SICU	2	Provide care to critically ill patients	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-ACLS Defibrillators Pace makers Bag-mask ventilation Emergency tray/trolley- Crash Cart Administration of drugs Infusion pump Epidural Intra thecal Intracardiac	Provide care to assigned patient Observation report of Critical care unit Drugs book	Assess each skill with checklist Assess performance with rating scale Evaluation of observation report Completion of activity record

			<p>Total parenteral therapy</p> <p>Chest physiotherapy</p> <p>Perform active & passive exercises</p> <p>Counsel the patient and family in dealing with grieving and bereavement</p>		
Casualty /Emergency Unit	2	<p>Provide care to patients in emergency and disaster situation</p> <p>Counsel patient and families for grief and bereavement</p>	<p>Practice “triage”</p> <p>Assist with assessment, examination, investigations & their interpretations, in emergency and disaster situations</p> <p>Assist in documentations</p> <p>Assist in legal procedures in emergency unit</p> <p>Participate in managing crowd</p> <p>Counsel patient and families in grief and bereavement</p>	Observation report of Emergency unit	<p>Assess Performance with rating scale</p> <p>Evaluation of observation report</p> <p>Completion of activity record</p>
Dialysis Unit	1	<p>Provide care to persons undergoing haemodialysis/p eritoneal dialysis, skills to be developed</p>	<p>Monitoring and care of patients during dialysis</p> <p>Assistant documentation patient education & counseling</p>	Observation report nursing care plan	<p>Assess Performance with rating scale</p> <p>Evaluation of observation report</p> <p>Completion of activity record</p>

ICU, CCU, CARDIAC OT	1	<p>To gain proficiency in ICU nursing</p> <p>Develop advance skill in special procedures used in critical care unit.</p> <p>Identify potential problems and provide accordingly.</p> <p>Skill in setting and handling ventilator</p> <p>Administer injection in infusion pump</p> <p>Record accurately findings and medications.</p> <p>Develop IPR with family members.</p> <p>Acquint with OT technique</p>	<p>Assist in arterial puncture for blood gas analysis.</p> <p>Perform ECG and interpret accordingly.</p> <p>Conduct and analysis pulse oximetry.</p> <p>Care with artificial airway.</p> <p>Assist in endotracheal intubation</p> <p>Setting up ventilator.</p> <p>Giving care to ventilator</p> <p>Drug sheet</p> <p>Observation of special procedure in OT</p>	<p>Arterial puncture – 5</p> <p>Taking out ECG stripe- 5</p> <p>Tracheal suction – 5</p> <p>For all assigned patients.</p> <p>Oxygen administration by CPAP mask and use Ambu bag.</p> <p>Assessment for all assigned patients</p> <p>Nursing care in ventilator</p> <p>Drug sheet</p>	<p>Record book</p> <p>Checking with supervisor</p>
Neuro Surgical ICU, OT	1	<p>Develop skill in neurological assessment</p> <p>Give care to the patient with head injury and spinal injury</p>	<p>Assess neurological status</p> <p>Implement care to head injury spinal injury patients</p> <p>Pre and postoperative care with neuro surgery</p>	<p>Assessment of all assigned patients</p> <p>Nursing care plan- 2</p> <p>Drug sheet</p>	<p>Record book, Observation checklist.</p>

		Care with chest surgery and cranial surgery	patients		
Burns and plastic Reconstructive surgery	1	<p>Assess the severity of burns.</p> <p>Administer rehydration therapy.</p> <p>Observe reconstructive surgery</p> <p>Provide care to patients with Burns</p> <p>Counsel and educate patient and families</p>	<p>Nursing care</p> <p>Assessment of the burns patient</p> <p>Percentage of burns</p> <p>Degree of burns</p> <p>Fluid & electrolyte replacement therapy</p> <p>Assess</p> <p>Calculate</p> <p>Replace</p> <p>Record</p> <p>Intake/output</p> <p>Care of Burn wounds</p> <p>Bathing</p> <p>Perform active & passive exercises</p> <p>Practice medical & surgical asepsis</p> <p>Counsel & Teach patients and families</p> <p>Participate in rehabilitation program</p>	<p>Provide care to 1-2 assigned patients</p> <p>Nursing care plan – 1</p> <p>Observation report of Burns unit</p>	<p>Assess each skill with checklist</p> <p>Assess performance with rating scale</p> <p>Evaluation of care plan and observation report</p> <p>Completion of activity record</p>
Oncology Unit	2	<p>Provide care to patients with cancer</p> <p>Counsel and educate patient and families</p>	<p>Screen for common cancers-TNM</p> <p>Classification</p> <p>Assist with diagnostic Procedures</p> <p>Biopsies</p> <p>Pap smear</p> <p>Bone-marrow aspiration</p> <p>Breast examination</p>	<p>Provide care to 2-3 assigned patients</p> <p>Nursing care-1</p> <p>Observation report of cancer unit</p>	<p>Assess each skill with checklist</p> <p>Assess performance with rating scale</p> <p>Evaluation of care plan and</p>

			Assist with therapeutic procedures Participates in various modalities of treatment Chemotherapy Radiotherapy Pain management Stomalththerapy Hormonal therapy Immuno therapy Gene therapy Alternative therapy Participate in palliative care Counsel and teach patients families Self Breast Examination Warning signs Participate in rehabilitation program	observation report Completion of activity record
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CHILD HEALTH NURSING

Placement - 3rd year B.Sc. Nursing.

Time: 110 Hours
Child Health Nursing : 70 Hours.
External Classes : 40 Hours
Practical: : 400 Hours

Time Allotment

- | | | |
|--------------------------|---|----------|
| 1. Genetics & Embryology | - | 10 Hours |
| 2. Pediatric surgery | - | 10 Hours |
| 3. Pediatric Medicine | - | 15 hours |
| 4. Child Psychology | - | 5 Hours |
| 5. Child health nursing | - | 75 Hours |

Total - 110 Hours

Course Description

Students identify the normal growth and development, and needs/problems of children of various age groups and deviations from normal, recognize the basic concepts, principles and techniques of child care and the role of family in child rearing, develop beginning ability to plan and provide comprehensive nursing care to children suffering from diseases and disorders

GENETICS & EMBRYOLOGY - 10 Hours (Pediatrician)

- Concepts and importance in Pediatrics.
- Gene structure and function
- Pattern of inheritance
- Common chromosomal disorders – Down’s Syndrome, Turner’s syndrome, Klinefelter’s syndrome, Edwards syndrome, Albinism, Inborn errors of metabolism, phenylketonuria, galactosemia, and mental retardation
- Growth and development of fetus
- Maldevelopment leading to congenital anomalies
- Genetic testing in neonates and children

PEDIATRIC SURGERY - 10 Hours (Pediatric Surgeon specialist)

Management of children with congenital disorders and diseases of

1. Cardiovascular System
Patent Ductus Arteriosus, Ventricular Septal Defect , Atrial Septal Defect ,Tetralogy of Fallot
2. Gastro intestinal system
Cleft lip, Cleft palate, Tracheo-esophageal fistulae , Pyloric stenosis, intussusception, Hirschsprung’s Disease, Anorectal Malformations, Omphalocele, Hernias.
3. Central Nervous System
Head injury, Hydrocephalus, Spina Bifida, Encephalocele, Brain Tumors
4. Genitourinary system
Wilm’s Tumor, Obstructive Uropathy, Epispadias, Hypospadias, Ectopia vesicae

- Orthopedic Disorders
Club foot, Hip dislocation, Fracture

PEDIATRIC MEDICINE

- 15 hours (Pediatrician)

Management of children with diseases of

- Respiratory system: Croup, Bronchiolitis, Bronchitis, Pneumonia, Tuberculosis, Bronchial Asthma, emphysema, Empyema, Epiglottitis.
- Cardiovascular System: Rheumatic fever, Rheumatic Heart Disease, Congestive Heart Failure, Kawasaki disease.
- Gastrointestinal system: Gastroenteritis, Malabsorption syndrome, Hepatitis
- Central Nervous System: Meningitis, Encephalitis, Cerebral palsy
Convulsions, Epilepsy
- Genito urinary system: Acute glomerulonephritis, Nephrotic syndrome Renal failure
- Endocrine Disorders Juvenile Diabetes, Congenital Hypothyroidism.
- Anemia, Thalassemia, Hemophilia, Leukemia, Lymphomas, I T P.

CHILD PSYCHOLOGY

- 5 Hours (Child Psychologist)

- Child's normal behaviour and development, theories of development.
- Childhood problems – Behavioural, Developmental, Habit disorders, Discipline
- Child guidance and counseling – child guidance clinic, child guidance – home & outside

CHILD HEALTH NURSING

70 hours

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
I	15	<ul style="list-style-type: none"> Explain the concept of child care Describe the principles of child health nursing Recognize the difference between child and adult nursing Identify the reactions of child and family towards hospitalization and illness Describe the major functions and role of pediatric nurse in caring for a hospitalized child 	<p>Concepts of childcare History of Child Health Nursing</p> <ul style="list-style-type: none"> Principles of Child Health Nursing Difference between adult and child nursing Rights of children Qualities of a Child Health Nurse Role of Child Health Nurse <p>Reaction of child and family towards illness and hospitalization and nurse's role</p> <p>Nurses' role in minimizing stress.</p> <p>Preoperative and post operative management of children..</p>	<ul style="list-style-type: none"> Lecture Discussion 	<ul style="list-style-type: none"> Short answers Objective type
11	5	Describe national policy and welfare programmes	<p>Preventive Pediatrics National policy and legislations in relation to child health and welfare</p>	<ul style="list-style-type: none"> Lecture Discussion 	

		Recognize universal immunization programme Explain the activities of Child Guidance Clinic	Child welfare Programmes_ State, National, International Child Morbidity and mortality rates Universal Immunization Programme Genetic Counselling Child Guidance Clinic	Field visit to Child Guidance Clinic	Reports
III	10	<ul style="list-style-type: none"> Describe the normal growth & development of children at different ages Identify the nutritional needs of children at different ages & provide parental guidance Identify the nutritional needs of children at different ages and ways of meeting the needs. Appreciate the role of play for normal & sick children Appreciate the preventive measures and strategies for children 	The healthy child <ul style="list-style-type: none"> Principles of growth and development Factors affecting growth & development Growth and development from conception to adolescence Nutritional needs of children & infants: breast feeding, exclusive breast feeding supplementary/ artificial feeding and weaning Baby friendly hospital concept Accidents: causes and prevention Play needs of children Preventive immunization, immunization programme and cold chain Preventive paediatrics Care of under five & under five clinics/ well baby clinics 	<ul style="list-style-type: none"> Lecture Discussion Developmental study of infant and children Observation study of normal and sick child Field visit to Anganwadi, 	<ul style="list-style-type: none"> Short answers Objective type Assessment of field visits and developmental study reports
IV	10	<ul style="list-style-type: none"> Provide care to normal & high risk neonates Perform neonatal resuscitation. Recognize and manage common neonatal problems 	Nursing care of a neonate <ul style="list-style-type: none"> Nursing care of a normal newborn/Essential newborn care Kangaroo mother care Nursing management Highrisk Neonate Low birth weight, Respiratory distress syndrome, Preterm, Hyperbilirubinemia, Meconium Aspiration Syndrome, Infant of diabetic mothers New born Nursery. Noenatal infections and 	<ul style="list-style-type: none"> Lecture Discussion Workshop on neonatal resuscitation Demonstration Practice session Clinical practice 	<ul style="list-style-type: none"> Short answers Objective type Assessment of skills with checklist

			preventive measures.		
V	25	<ul style="list-style-type: none"> • Demonstrate skill in doing specific Child Health Nursing procedure Provide nursing care in common childhood diseases • Identify measures to prevent common childhood diseases including immunization 	<p>Nursing management in common childhood diseases</p> <ul style="list-style-type: none"> • Specific Child Health Nursing Procedures • Nutritional deficiency disorders Protein Energy Mal nutrition, Vitamin & Mineral deficiencies • Respiratory disorders and infections Croup, Bronchiolitis, Bronchitis, Pneumonia, Tuberculosis, Epiglottitis, Bronchial Asthma, Emphysema, Empyema • Gastrointestinal disorders Medical: gastro enteritis, Malabsorption syndrome, Hepatitis Surgical: Cleft lip & Palate, Tracheo-esophageal fistula, Pyloric, stenosis, Intussusception, Hirschsprung's disease, Anorectal malformation, Omphalocele Hernia's • Cardio vascular disorders Medical : Rheumatic fever, rheumatic heart disease, Heart failure, Kawasaki Disease. Surgical : Patent ductus arteriosus, Ventricular septal defect, Atrial septal defect, Tetralogy of Fallot. • Genito-urinary disorders: Medical Acute glomerulo nephritis, Nephrotic syndrome, Surgical: Wilms' tumor, Obstructive uropathy, Epispadias, Hypospadias, Ectopia vesica. • Neurological infections and disorders: Medical : convulsions, epilepsy, meningitis, encephalitis, cerebral palsy. Surgical: Head Injury Brain Tumors, 	<ul style="list-style-type: none"> • Lecture Discussion • Demonstration • Practice session • Clinical practice 	<ul style="list-style-type: none"> • Short answers • Objective type • Assessment of skills with checklist

			<p>hydrocephalus, spinabifida, Encephalocele</p> <ul style="list-style-type: none"> ● Hematological disorders: Anemias, thalassemia, ITP, Leukemia, Hodgkins' & Non Hodgkin's Lymphoma, hemophilia ● Endocrine disorders: Juvenile Diabetes Mellitus, Congenital hypothyroidism ● Orthopedic disorders: club feet, hip dislocation and fracture. ● Disorders of skin, eye, and ears ● Common communicable diseases in children, their identification, nursing management in hospital and home and prevention. ● Child health emergencies: Poisoning, foreign bodies, shock hemorrhage, burns and drowning, snake bite. ● Nursing care of infant and children with HIV/AIDS, Dengue fever, Chikun Guinea. 		
VI	5	<ul style="list-style-type: none"> ● Manage the child with behavioural & social problems ● Identify the social & welfare services for challenged children 	<p>Management of behavioural & social problems in children</p> <ul style="list-style-type: none"> ● Management of common behavioural disorders ● Management of common psychiatric problems ● Management of challenged children: Mentally, Physically, & Socially challenged ● Welfare services for challenged children in India. 	<ul style="list-style-type: none"> ● Lecture Discussion ● Field visits to school for mentally, physically and socially challenged 	<ul style="list-style-type: none"> ● Short answers ● Objective type ● Assessment of field reports

CHILD HEALTH NURSING- PRACTICAL

Placement : Third Year

Time : 400 Hours (10 weeks)

Areas	Duration (in weeks)	Objectives	Skills	Assignments	Assessment Methods
Pediatric Medicine ward	3	<p>Provide nursing care to children with various medical disorders Counsel and educate parents</p>	<ul style="list-style-type: none"> ● Taking Pediatric History ● Physical examination and assessment of children ● Administer of oral, I/M & IV medicine/fluids ● Calculation of fluid requirements ● Prepare different strengths of I.V. fluids ● Apply restraints ● Administer O2 inhalation by different methods ● Give baby bath ● Feed children by Katori spoon, etc. ● Collect specimens for common investigations ● Assist with common diagnostic procedures ● Teach mothers/parents ● Malnutrition ● Oral rehydration therapy ● Feeding & Weaning ● Immunization Schedule ● Play therapy ● Specific Disease Conditions 	<p>Give care to three assigned pediatric patients Nursing care Plan-I Case study/presentation-1 Health talk- 1</p>	<ul style="list-style-type: none"> ● Assess clinical performance with rating scale ● Assess each skill with checklist OSCE/OSPE ● Evaluation of case study/presentation and Health education session ● Completion of activity record
Pediatric Surgery Ward	3	<ul style="list-style-type: none"> ● Recognize different pediatric surgical conditions/malformations ● Provide pre and post operative care to children with common paediatric surgical conditions/malformations ● Counsel and educate parents 	<ul style="list-style-type: none"> ● Calculate prepare and administer I/V fluids ● Do bowel was ● Care for ostomies: <ul style="list-style-type: none"> Colostomy Irrigation -Ureterostomy -Gastrostomy -Enterostomy ● Urinary Catheterization and drainage ● Feeding <ul style="list-style-type: none"> -Naso-gastric -Gastrostomy 	<p>Give care to three assigned pediatric patients Nursing care Plan-I Case study/Presentation – I</p>	<p>Assess clinical performance with rating scale Asses each skill with check list OSCE/OSPE</p> <ul style="list-style-type: none"> ● Evaluation of case study/presentation ● Completion of activity

			<ul style="list-style-type: none"> -Jejunostomy ●Care of surgical wounds -Dressing -Suture removal 		record
Pediatric OPD/ Immunization room	1	<ul style="list-style-type: none"> ●Perform assessment of children Health, Developmental and Anthropometric ●Perform Immunization ●Give Health Education /Nutritional Education 	<ul style="list-style-type: none"> ●Assessment of children -Health assessment -Developmental assessment -Anthropometric assessment ●Immunization ●Health/Nutritional Education 	Developmental study – I	<ul style="list-style-type: none"> ●Assess clinical performance with rating scale ●Completion of activity record
Pediatric Medicine and surgery ICU	3	Provide nursing care to critically ill children	<ul style="list-style-type: none"> ●Care of a baby in incubator/warmer ●Care of a child on ventilator ●Endotracheal suction ●Chest physiotherapy ●Administer fluids with infusion pump ●Total parenteral nutrition ●Phototherapy ●Monitoring of babies ●Cardio Pulmonary resuscitation 	Nursing care plan I Observation report	<ul style="list-style-type: none"> ●Assess clinical performance with rating scale ●Completion of activity record ●Evaluation of observation report

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1. Marlow Dr&Redding BA (1988) Textbook of pediatric Nursing 6th Edition, WB Saunders Company
2. Wong DL & Hockenberry MJ (2003) WONG'S NURSING CARE of INFANTS AND CHILDREN 7th Edition, Mosby Inc, St Louis
3. Behrman, Kliegman & Arvin (1999) NELSONS'S text book of pediatrics (Book I & II) 15 th Edition W.B. saunders Company
4. Suraj Gupte (2001) The shorttext book of Pediatrics 9th millennium edition, Jaypee Publishers, New Delhi.
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6. Udani (1998) Textbook of Pediatrics (Vol. I, II & III) Revised 1st Edn , Jaypee Brothers, New Delhi
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8. Ashcraft KW, Holocomb GW & Murphy J.P. (2005) Peadiatric surgeon 4th Edn, Elsevier saunders
9. Neill JA (2003) Principles of Pediatric surgery 2nd End, Mosby, St. Louis)
10. Santosh kumar A (2001) Manual of peadiatric Practice 1st Edn, Paras Publishing Hyderabad.

Internal Evaluation

1. Theory

Three sessional examinations 3 x 50 = 150 marks
(Average - 50)

2. Clinical

1. Growth & development assessment (Infant, Toddler, Pre-schooler)	} }	- 5 marks
2. Case Study – 2 medical -1 surgical -1	} }	- 10 marks
3. Health Talk		- 5 marks
4. Case Presentation - 1 (Medical/Surgical)	} }	- 5 marks
5. Ongoing Clinical Evaluation		- 25 marks
6. Internal Practical Exam	} }	- 50 marks.
	Total	-100 marks
	Average in	50

Mental Health Nursing

Placement : Third Year

Time : Theory – 90 Hours

Practical- 320 Hours

Course Description: 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 of individuals family and community.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment method
I	5	<ul style="list-style-type: none"> Describe the historical development & current trends in mental health nursing Describe the epidemiology of mental health problems Discuss the scope of mental health nursing Describe the concept of normal & abnormal behaviour 	<p>Introduction</p> <ul style="list-style-type: none"> Perspectives of Mental Health and Mental Health nursing; evolution of mental health services, treatments and nursing practices Prevalence and incidence of mental health problems and disorders Mental health team Nature and scope of mental health nursing Future challenges in mental health nursing Role and functions of mental health nurse in various settings and factors affecting the level of nursing practice Concepts of normal and abnormal behaviour 	Lecture Discussion	Objective4 type Short answer Assessment of the field visit reports
II	5	<ul style="list-style-type: none"> Explain the classification of mental disorders Explain psycho dynamics of maladaptive behaviour Discuss the etiological factors, psychopathology of mental disorders Explain the Principles and standards of Mental health Nursing Describe the conceptual models of mental health nursing 	<p>Principles and Concepts of Mental Health Nursing</p> <ul style="list-style-type: none"> Definition : mental health nursing and terminology used Classification of mental disorders: ICD & DSM Review of personality development defense mechanisms Maladaptive behaviour of individuals and groups : stress, crisis and disaster Etiology : bio-psycho-social factors Psychopathology of mental Disorders: review of structure and function of brain, limbic system and abnormal neuro transmission Principles of Mental health Nursing Standard of Mental health Nursing practice Conceptual models and the role of nurse -Existential Model -Psycho-analytical models -Behavioural model 	Lecturer Discussion Explain using Charts Review of personality development	Essay type Short answer Objective type

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment method
			-Interpersonal model		
III	8	<ul style="list-style-type: none"> Describe nature, purpose and process of assessment of mental health status 	Assessment of mental health status <ul style="list-style-type: none"> History taking Mental status examination Mini mental status Examination Neurological examination: Review Investigations: Related Blood chemistry, EEG, CT & MRI Psychological tests Role of responsibilities of nurse 	Lecture Discussion Demonstration Practice session Clinical practice	Short answer Objective type Assessment of skills with check list
IV	6	<ul style="list-style-type: none"> Identify therapeutic communication techniques Describe therapeutic relationship Describe therapeutic impasse and its interventions 	Therapeutic communication and nurse patient relationship <ul style="list-style-type: none"> Therapeutic communication: <ul style="list-style-type: none"> Types, Techniques, characteristics Process recording Types of relationship 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 	Lecture discussion Demonstration Role play Process recording	Short answer Objective type
V	14	Explain treatment modalities and therapies used in mental disorders and role of the nurse	Treatment modalities and therapies used in mental disorders <ul style="list-style-type: none"> Psycho Pharmacology Psychological therapies: <ul style="list-style-type: none"> Therapeutic community, Psychotherapy- individual: psycho-analytical, cognitive and supportive, Family, Group, Behavioural, 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 Role of nurse in above therapies 	Lecture Discussion Demonstration Groupwork Practice session Clinical Practice	Essay type Short answers Objective type
VI	5	Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients with Schizophrenia, and other psychotic disorders	Nursing management of patient with Schizophrenia, and other psychotic disorders <ul style="list-style-type: none"> Classification : ICD Etiology, psycho-pathology types, clinical manifestations, diagnosis Nursing Assessment-History Physical and mental assessment Treatment modalities and nursing management of patients with 	Lecture discussion Case discussion Case presentation Clinical practice	Essay type Short answers Assessment of patient management problems

			Schizophrenia and other psychotic disorders Geriatric Considerations Follow up and home care and rehabilitation		
VII	5	Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients with mood disorders	Nursing Management of patient with mood disorders <ul style="list-style-type: none"> ●Mood disorders: unipolar & 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 patient with mood disorders ●Geriatric consideration ●Follow up and home care and rehabilitation 	Lecture discussion Case discussion Case presentation Clinical practice	Essay type Short answers Assessment of patient management problems
VIII	8	Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients with neurotic stress related and somatization disorders	Nursing management of patient with neurotic, stress related and somatization disorders Anxiety disorder, Phobias, Dissociation and Conversion disorder, Obsessive compulsive disorder, Somato form disorders, Post traumatic stress disorder <ul style="list-style-type: none"> ●Etiology, psycho-pathology 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 	Lecture discussion Case discussion Case Presentation Clinical practice	Essay type Short answers Assessment of patient management problems
IX	5	Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients with substance use disorders	Nursing Management of Patient with Substance use disorders <ul style="list-style-type: none"> ●Commonly used psychotropic substance, classification, forms, routes, action, intoxication and withdrawal. ●Etiology of dependence: Tolerance, Psychological, and physical dependence withdrawal syndrome diagnosis ●Nursing Assessment History, Physical, Mental assessment and drug assay. ●Treatment (detoxification, antabuse and narcotic anagonist therapy and harm reduction) and 	Lecture discussion Case discussion Case presentation Clinical practice	Essay type Short answers Assessment of patient management problems

			nursing management of patients with substance use disorders <ul style="list-style-type: none"> ●Geriatric considerations ● follow-up and home care and rehabilitation 		
X	4	Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients with personality, sexual and eating disorders	Nursing management of patient with Personality, Sexual and Eating disorders <ul style="list-style-type: none"> ●Classification of disorders ●Etiology , psycho-pathology, characteristics, diagnosis ●Nursing Assessment-History Physical and mental assessment ●Treatment modalities and nursing management of patients with Personality, Sexual and Eating disorders ●Geriatric considerations ●Follow-up and home care rehabilitation 	Lecture discussion Case discussion Case presentation Clinical practice	Essay type Short answers Assessment of patient management problems
XI	6	Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of childhood and adolescent disorders including mental deficiency	Nursing Management of childhood and adolescent disorders including mental deficiency <ul style="list-style-type: none"> ●Classification of disorders ●Etiology , psycho-pathology characteristics diagnosis ●Nursing Assessment-History Physical, mental and IQ assessment ●Treatment modalities and nursing management of childhood disorders including mental deficiency ●Follow-up and home and rehabilitation 	Lecture Discussion Case discussion Case presentation Clinical practice	Essay type Short answers Assessment of patient management problems
XII	5	Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of organic brain disorders	Nursing management of organic brain disorders <ul style="list-style-type: none"> ●Classification: ICD ●Etiology , psycho-pathology clinical features, diagnosis and Differential diagnosis (Parkinson;s and alzheimers) ●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 	Lecture Discussion Case discussion Case presentation Clinical practice	Essay type Short answers Assessment of patient management problems
XIII	6	Identify psychiatric and carry out crisis	Psychiatric emergencies and crisis intervention	Lecture discussion	Short answers

		intervention	<ul style="list-style-type: none"> ●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 counseling ●Types of crisis ●Crisis Intervention: Principles, Techniques and Process ●Geriatric considerations Role and responsibilities of nurse 	Demonstration Practice session Clinical practice	Objective type
XIV	4	Explain legal aspects applied in mental health settings and role of the nurse	<p>Legal issues in Mental Health Nursing</p> <ul style="list-style-type: none"> ●The Mental Health Act 1987: Act, Sections, Articles and their implications. ●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 	Lecture Discussion Case Discussion	Short answers Objective type
XV	4	Describe the model of preventive psychiatry Describes Community Mental health services and role of the nurse	<p>Community Mental Health Nursing</p> <ul style="list-style-type: none"> ●Development of Community Mental Health Services: ●National Mental Health Programme and policies ●Institutionalization Versus Deinstitutionalization <p>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</p>	Lecture discussion Clinical /field practice Field visits to mental health service agencies	Short answers Objective type Assessment of the field visit reports

Mental Health Nursing Practical

Placement : III Year

Time : Practical – 320 (8

weeks)

Areas	Duration (in week)	Objectives	Skills	Assignments	Assesment Methods
Psychiatric OPD	1	<ul style="list-style-type: none"> ●Assess patients with mental health problems ●Observe and assist in therapies ●Counsel and educate patient, and families 	<ul style="list-style-type: none"> ●History taking and Mental status examination (MSE) ●Assist in Psychometric assessment ●Perform Neurological examination ●Observe and assist in therapies ●Teach patients and family members 	<ul style="list-style-type: none"> ●History taking and Mental status examination-1 ●Health education-1 ●Observation report of OPD 	<ul style="list-style-type: none"> ●Assess performance with rating scale ●Evaluation of health education Assessment of observation report Completion of activity record
Child Guidance clinic	1	<ul style="list-style-type: none"> ●Assessment of children with various mental health problems ●Counsel and educate children, families and significant others 	<ul style="list-style-type: none"> ●History taking ●Assist in Psychometric assessment ●Observe and assist in various therapies ●Teach family and significant others 	<ul style="list-style-type: none"> ●Observation report of different therapies -1 	<ul style="list-style-type: none"> Assess performance with rating scale Evaluation of the observation report
In- patient ward	5	<ul style="list-style-type: none"> ●Assess patients with mental health problems ●To provide nursing care for patients with various mental health problems 	<ul style="list-style-type: none"> ●History taking ●Perform mental status examination (MSE) ●Perform Neurological examination ●Assist in psychometric assessment ●Record therapeutic 	<ul style="list-style-type: none"> Give care to 2-3 patients with various mental disorders Case study- 1 Care plan-5 Clinical presentation 1 	<ul style="list-style-type: none"> Assess performance with rating scale Assess each skill with checklist Evaluation of

		<ul style="list-style-type: none"> ●Assist in various therapies ●Counsel and educate patients, families and significant others 	<p>communication</p> <ul style="list-style-type: none"> ●Administer medication <p>Assist in Electro convulsive Therapy (ECT)</p> <ul style="list-style-type: none"> ●Participate in all therapies ●Prepare patients for Activities of Daily living (ADL) ●Conduct admission and discharge counselling ●Counsel and teach patients and families 	<p>History taking and mental status examination-5</p> <p>Process recordings 5</p> <p>Maintain drug book</p>	<p>the case study,</p> <p>Care plan, clinical presentation, process recording</p> <p>Completion of activity record</p>
Community Psychiatry	1	To identify patients with various mental disorders	<ul style="list-style-type: none"> ●Conduct case work ●Identify individual with mental health problems ●Assist in mental health camps and clinics ●Counsel and Teach family members patients and community 	Observation report on field visits	<p>Assess performance with rating scale</p> <p>Evaluation of observation report</p> <p>Completion of activity records</p>

Observation visit

Psychiatric rehabilitation center
School for mentally retarded
Old age home
Deaddiction centre

References

- a. Sadock K. (1998) Synopsis of psychiatry 8th edition, William and Wilkins Baltimore, USA.
- b. Stuart & Sweden, Psychiatric Nursing (1998) C.V. Mosby company
- c. Judith Sheila.V, Lippincott Manual of psychiatric Nursing care plan, 7th edition
- d. Elizebath Manual of psychiatric Nursing care plan, 2nd edition
- e. Gelder M. Oxford, Textbook of Psychiatry 3rd edition, New Yorkm, Oxford University Press.
- f. WHO (1992) ICD – 10 Classification of mental & behavioural disorders clinical descriptant diagnostic guide line, Oxford University press, Oxford
- g. Beck, Rawline & William, Mental Health Psychiatric Nursing- A holisitc life cycle approach, C.V. Mosby company.
- h. Lego, Snganne, The Americal Hand book of Psychiatric Nursing, J.B. LippinCott company, Philadelphia

Nursing Research and Statistics

Placement Third Year

Time : Theory – 50 Hours
(Nursing Research – 35 hours
Statistics- 15 hours)
Practical – 80 hours (2 weeks)

Course Description : This 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. The hours for practical will be utilized for conducting individual/group research project.

Unit	Time (Hours)	Learning Objective	Content	Teaching Learning Activities	Assessment Methods
I	4	Describe the concept of research, terms, need and areas of research in nursing Explain the steps of research process.	Research and research process <ul style="list-style-type: none"> ●Introduction and need for nursing research ●Definition of Research & nursing research ●Steps of scientific methods ●Characteristics of good research ●Steps of Research process-overview 	Lecture Discussion Narrate steps of research process followed from examples of published studies	Short answer Objective type
II	4	Identify and state the research problems and objectives	Research Problem/Question <ul style="list-style-type: none"> ●Identification of problem area ●Problem statement ●Criteria of a good research problem ●Writing objectives 	Lecture Discussion Exercise on writing statement of problems and objectives	Short answer Objective type
III	3	Review the related literature	Review of Literature <ul style="list-style-type: none"> ●Location ●Sources ●On line search: CINHAL, COCHRANE etc ●Purposes ●Method of review 	Lecture Discussion Exercise on reviewing one research report/article for a selected research problem. Prepare annotated bibliography	Short answer Objective type
IV	6	Describe the research approaches and designs	Research approaches and designs <ul style="list-style-type: none"> ●Historical,survey and experimental ●Qualitative and Quantitative designs 	Lecture Discussion Explain types of research approaches used from examples of published and unpublished research studies with rationale	Short answer Objective type
V	10	Explain the sampling	Sampling and data collection	Lecture Discussion Reading assignment	Short answer Objective

		process Describe the methods of data collection	<ul style="list-style-type: none"> ●Definition of population, ●Sample, Sampling criteria, factors influencing sampling process, types of sampling techniques ●Data-why what, from whom, when and where to collect ●Data collection methods and instruments: <ul style="list-style-type: none"> -Methods of data collection -Questioning, interviewing -Observations, record analysis and measurement -Types of instruments -Validity & Reliability of the instrument -Pilot study -Data collection procedure 	on examples of data collection tools. Preparation of sample data collection tool. Conduct group research project	type
VI	4	Analyse Interpret and summarize the research data	Analysis of data: Compilation, Tabulation, classification, summarization, presentation, interpretation of data	Lecture Discussion Preparation of sample table	Short answer Objective type
VII	15	Explain the use of statistics scales of measurement and graphical presentation of data Describe the measures of central tendency and variability and methods of correlation	Introduction to statistics <ul style="list-style-type: none"> ●Definition, use of statistics, scales of measurement ●Frequency of distribution and graphical presentation of data ●Mean, Median Mode, Standard deviation ●Normal probability and tests of significance ●Co-efficient of correlation ●Statistical packages and its application 	Lecture Discussion Practice on graphical presentations Practice on computation of measures of central tendency, variability & correlation	Short answer Objective type
VIII	4	Communicate and utilize the	Communication and utilization of	Lecture Discussion Read/Presentations of	Short answer Objective

		research findings	Research •Communication of research findings -Verbal report -Writing research report -Writing scientific article/paper -Critical review of published research -Utillization of research findings	a sample published/unpublished research report Writing group research project	type Oral presentation Assessment of group research project.
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Project

Each group of 2 or 3 student will undertake a project in nursing (simple Research Study) intended to improve patient care directly or indirectly. Project report have to be submitted for evaluation.

References

1. Polit and Hungler, Nursing Research J.B. Lippincott (Latest edn.)
2. Treece and Treece elements of Research in Nursing C.V. Mosby Company

FOURTH YEAR BSC NURSING

Obstetrical and Gynaecological Nursing

Obstetrical Nursing

Time :Theory – 90 hours

Placement: Fourth Year

(External-10 hours)

Practical- 480 Hours

Course Description: This course is designed for student to appreciate the concepts and principles of obstetrical nursing, It helps them to acquire knowledge and develop attitude and beginning skills in rendering nursing care to normal and high risk pregnant women during antenatal, natal and post natal 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.

Unit	Time in hours	Learning Objective	Content	Teaching Learning Activities	Assessment method
1	3	Recognize the trends and issues in Obstetrical nursing	Introduction to concepts of Obstetrical Nursing Historical perspectives and current trends Legal and ethical aspects Role of Obstetrical Nurse	Lecture Discussion Explain using Charts and graphs	Short answers Objective type
II	8	Describe the anatomy and physiology of female reproductive system	Review of anatomy and physiology of female reproductive system Female pelvis - general description of the bones, joints, ligaments, planes of the pelvis, diameters of the true pelvis, important landmarks, variation in shape of pelvis Female organs of reproduction -	Lecture discussion Review with Charts and models Lecture	Short answers Objective type Short

			<p>external genitalia, internal genital organs and their anatomical relations, musculature- blood, supply, nerves, lymphatics pelvic cellular tissue, pelvic peritoneum</p> <p>Physiology of menstrual cycle</p>	<p>Discussion</p> <p>Explain</p> <p>using charts, slides</p>	<p>answers</p> <p>Objective type</p>
	3	<p>Explain</p> <p>Maternal, prenatal and genetic influences on development of defects</p>	<p>Human sexuality</p> <p>Preconception care and preparing for parenthood</p> <p>Conception and foetal development</p> <p>Review of fertilization, implantation, embedding of the ovum, development of the embryo and placenta, placenta at term, functions, abnormalities, the foetal sac, amniotic fluid, the umbilical cord</p> <p>Foetal circulation, foetal skull, bones, sutures and measurements</p> <p>Maternal, prenatal and genetic influences on development of defects and diseases</p> <p>Conditions affecting the mother: genetic and infections</p> <p>Consanguinity</p> <p>Prenatal nutrition and food allergies.</p> <p>Maternal Age</p>		

111		and diseases	Maternal drug therapy Prenatal testing and diagnosis Effect of Radiation, drugs and chemicals Infertility Spontaneous abortion Neural Tube Defects and the role of folic acid in lowering the risks Down syndrome (Trisomy 21) Genetic counseling		
IV	8	Describe the diagnosis and management of women during antenatal period	Assessment and management of pregnancy (antenatal) Normal pregnancy 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 Diagnosis of pregnancy History	Lecture Discussion Demonstration Case discussion Health talk Practice session Counseling session Supervised Clinical practice	Short answers Objective type Assessment of skills with check list Assessment of patient management problems

			Physical assessment Confirmatory tests Differential diagnosis Ante-natal 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, Risk approach Antenatal preparation Antenatal counseling Antenatal exercises Diet Minor disorders and management Education for child birth Husband and families Preparation for safe-confinement Psycho social and cultural aspects of pregnancy Adjustment to pregnancy Unwed mother Single parent Teenage pregnancy Sexual violence		
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V	12	<p>Describe the physiology and stages of labour</p> <p>Describe the management of women during intra natal period</p>	<p>Assessment and management of intra-natal period</p> <p>Physiology of labour, mechanism of labour</p> <p>Management of labour</p> <p><i>First stage</i></p> <p>Signs and symptoms of onset of labour normal and abnormal</p> <p>Duration</p> <p>Preparation of</p> <ul style="list-style-type: none"> • Labour room • Woman <p>Assessment and observation of women in labour .Partogram-maternal and foetal monitoring</p> <p>Active management of labour,</p> <p>Plain relief and comfort in labour</p> <p><i>Second stage</i></p> <p>Signs and symptoms: normal and abnormal</p> <p>Duration</p> <p>Conduct of delivery ; Principles and techniques</p> <p>Episiotomy (only if required)</p> <p>Receiving the new born</p> <ul style="list-style-type: none"> • Neonatal resuscitation; initial steps and subsequent resuscitation, Apgar scoring • Care of umbilical cord • Immediate assessment including screening for 	<p>Lecture</p> <p>Discussion</p> <p>Demonstration</p> <p>Case discussion/</p> <p>Presentation</p> <p>,</p> <p>Simulated practice</p> <p>Supervised Clinical practice</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with check list</p> <p>Assessment of woman & management of problems</p>
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			<p>congenital anomalies</p> <ul style="list-style-type: none"> • Identification • Bonding • Initiate feeding • Screening and transportation of the neonate <p><i>Third stage</i></p> <p>Signs and symptoms - normal and abnormal</p> <p>Duration</p> <p>Methods of placental separation , expulsion of placenta and membranes</p> <p>Management Principles and techniques</p> <p>Examination of the placenta</p> <p>Examination of perineum</p> <p>Maintaining records and reports</p> <p><i>Fourth stage</i></p> <p>Vigilant observation and care of the mother and newborn</p>		
VI	5	<p>Describe the physiology of puerperium.</p> <p>Describe the management of women during post natal period</p>	<p>Assessment and management of woman during post natal period.</p> <p>Normal puerperium,</p> <p>Physiology</p> <p>Post natal assessment and management</p> <ul style="list-style-type: none"> • Promoting physical and emotional wellbeing • Management of lactation • Family dynamics after child-birth 	<p>Lecture discussion</p> <p>Demonstration</p> <p>Health talk</p> <p>Practice Session</p> <p>Supervised clinical practice</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with check list</p> <p>Assessment of patient</p>

			<ul style="list-style-type: none"> • Family welfare services, methods, counseling • Follow-up • Records and reports 		management problems
VII	4	Describe the assessment and management of normal neonate	<p>Assessment and management of normal neonates</p> <p>The Normal Neonate</p> <p>Physiological adaptation, Initial & Daily assessment</p> <p>Essential newborn care</p> <p>Thermal control, Breast feeding, Prevention of infections, Immunization</p> <p>Minor disorders of newborn and its management</p> <p>Levels of Neonatal care (level I, II, & III)</p> <p>At primary, secondary and tertiary levels</p> <p>Maintenance of Reports and Records</p>	<p>Lecture discussion</p> <p>Demonstration</p> <p>Practice Session</p> <p>Supervised Clinical practice</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with check list</p> <p>Assessment of patient management problems</p>
VIII	15	Describe the identification and management of women with high risk pregnancy	<p>High risk pregnancy- assessment & management</p> <p>Screening and assessment</p> <p>Ultrasound, cardiotocography, NST, CST, non-invasive & invasive</p> <p>Newer modalities of diagnosis</p> <p>High risk approach</p> <p>Levels of care; primary secondary and tertiary levels</p> <p>Disorders of pregnancy</p> <p>Hyper-emesis gravidarum, bleeding in early pregnancy, abortion, ectopic pregnancy Vesicular mole,</p>	<p>Lecture discussion</p> <p>Demonstration using video films, scan, reports</p> <p>partograph etc</p> <p>Case discussion, presentation</p> <p>Health talk</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with check list</p> <p>Assessment of woman, Management of problems</p>

			<p>Ante-partum haemorrhage</p> <p>Uterine abnormality and displacement</p> <p>Diseases complicating pregnancy</p> <p>Medical and surgical conditions</p> <p>Infections UTI, STD, HIV, TORCH</p> <p>Gynaecological diseases complicating pregnancy</p> <p>Pregnancy induced hypertension & Diabetes, Toxemia of pregnancy, Hydramnios, Rh incompatibility</p> <p>Mental disorders</p> <p>Adolescent pregnancy. Elderly primi and grand multipara</p> <p>Multiple pregnancy</p> <p>Abnormalities of placenta & cord</p> <p>Intra-uterine growth-retardation</p> <p>Nursing management of mothers with high risk pregnancy</p> <p>Maintenance of Records and Reports</p>	<p>Practice session</p> <p>Supervised clinical practice</p>	
IX	15	<p>Describe management of abnormal labour and obstetric emergencies</p>	<p>Abnormal Labour- Assessment and Management</p> <p>Disorders in labour</p> <p>CPD and contracted pelvis</p> <p>Malpositions and malpresentations</p> <p>Premature labour, disorders of uterine actions - precipitate labour, prolonged labour</p> <p>Complications of third stage:</p> <p>Injuries to birth canal</p> <p>Obstetrical emergencies and their</p>	<p>Lecture</p> <p>Discussion</p> <p>Demonstration</p> <p>Case discussion / presentation</p> <p>Practice Session</p> <p>Supervised clinical</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with check list</p> <p>Assessment of patient, Management</p>

			<p>management</p> <p>Presentation and prolapse of cord, Vasa praevia, amniotic fluid embolism, rupture of uterus shoulder dystocia, obstetrical shock</p> <p>Obstetrical procedures and operations Induction of labour, forceps, vacuum, version, manual removal of placenta, caesarean section, destructive operations</p> <p>Nursing management of women undergoing Obstetrical operations and procedures</p>	practice	t of problems
X	4	Describe management of post natal complications	<p>Abnormalities during Post natal Periods</p> <p>Assessment and management of woman with post natal complication</p> <p>Puerperal infections, Breast engorgement & infections, UTI, Thrombo-embolic disorders, Post-partum haemorrhage, and Sub involution</p> <p>Psychological complications</p> <ul style="list-style-type: none"> • Post partum Blues • Post partum Depression • Post partum Psychosis 	<p>Lecture discussion</p> <p>Case discussion/ presentation</p> <p>Supervised Clinical practice</p>	<p>Objective type</p> <p>Assessment of skills with checklist</p> <p>Assessment of patient Management of problems</p>
XI	5	Describe assessment and management of the high risk neonates	<p>Assessment and management of High risk newborn</p> <p>Admission of neonates in the neonatal intensive care units Protocols of management</p> <p>Nursing management of low birth</p>	<p>Lecture discussion</p> <p>Demonstration</p> <p>Practice session</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assessment</p>

			<p>weight babies</p> <p>Infections, Respiratory problems</p> <p>Hemolytic disorders</p> <p>Birth injuries ,Malformations</p> <p>Monitoring of high risk neonates</p> <p>Feeding of high risk neonates</p> <p>Organization and management of neonatal intensive care units</p> <p>Infection control in neonatal intensive care units</p> <p>Maintenance of reports and records</p>	<p>Case discussion</p> <p>presentation</p> <p>Supervised clinical practice</p>	<p>of skills with checklist</p> <p>Assessment of patient management of problems</p>
XII	4	<p>Describe indications, dosage, action, side effects and nurses responsibilities in the administration of drugs used for mothers</p>	<p>Pharmaco- therapeutics in Obstetrics</p> <p>Indication, dosage, action, contra indication and side effects of drugs</p> <p>Effect of drugs on pregnancy, labour & puerperium</p> <p>Nursing responsibilities in the administration of drug in Obstetrics – oxytocins, anti hypertensives, diuretics, tocolytic agents anti convulsants</p> <p>Analgesics and Anaesthetics in Obstetrics</p> <p>Effects of maternal medication on foetus and neonate</p>	<p>Lecture</p> <p>Discussion</p> <p>Drug book</p> <p>Drug presentation</p>	<p>Short answers</p> <p>Objective type</p>
XIII	7	<p>Appreciate the importance of family welfare programme</p>	<p>Family Welfare Programme</p> <p>Population trends and problems in India</p> <p>Concepts, aims, importance and history of family welfare programme</p>	<p>Lecture</p> <p>discussion</p> <p>Demonstration</p> <p>Practice</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p>

		<p>Describe the methods of contraception and role of nurse in family welfare programme</p> <p>Explain the epidemiology of Obstetrics</p>	<p>National Population: dynamics, policy and education</p> <p>National family welfare programme: RCH, ICDS> MCH, Safe Mother hood</p> <p>Organization and administration ; at national, state, district, block and village levels</p> <p>National policy and legislation in relation to maternal health and welfare</p> <p>Maternal, morbidity, mortality and fertility rates</p> <p>Perinatal, morbidity and morality rates</p> <p>Methods of contraception, spacing, temporary and permanent, Emergency contraception</p> <p>Counselling for family welfare</p> <p>Latest research in contraception</p> <p>Maintenance of vital statistics</p> <p>Role of national, international and voluntary organizations</p> <p>Role of a nurse in family welfare programme</p> <p>Training/ Supervision/ Collaboration with other functionaries in community like ANMs, LHVs, Anganwadi workers, TBAs (Traditional birth attendant Dai)</p>	<p>session</p> <p>Supervised practice</p> <p>Group project</p> <p>Counseling session</p> <p>Field visits</p>	<p>Assessment of skills with check list, project and field visits reports</p>
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1. Bennett V. Ruth and Brown. K. Linda, Myles Text Book for Midwives (14th ed), Churchill Livingstone, London,2005.
2. Bobak and Jenson, Maternity and Gynaecologic care, Mosby year book
3. Daftary Shirish. N, Manual of Obstetrics, Elsevier ,2005.
4. Dawn C. S, Textbook of Obstetrics and Neonatology, Dawn books , Calcutta.
5. Dutta. D.C ,Text Book of Obstetrics (4th ed) New central book agency, Calcutta.

6. **Krishnamenon P.K, and Devi., Postgraduate Obstetrics and Gynaecology., 4th ed, Orient Longman Ltd, Madras.**
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9. **Reeder J. Sharon et.al , Maternity Nursing, Lippincott, Newyork.**
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Obstetrical Nursing - Practical

Placement: Fourth Year

Time: Practical 480 hours

Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
Antenatal Ward, OPD, Clinic	4	Assessment of pregnant women	Antenatal history taking Physical examination Recording of weight & B.P. Hb & Urine testing for sugar and albumin Antenatal examination abdomen and breast Immunization Assessment of risk status Teaching antenatal mothers Maintenance of Antenatal records	Conduct Antenatal Examinations 30 Health talk-2 Case book Recordings- 20 Case study Abnormal-1 Case presentation –1	Verification of findings of Antenatal examinations Completion of case book recordings Evaluation of health talk Evaluation of care study Clinical performance evaluation
Labour room O.T.	3	Assess woman in labour Prepare the woman for labour Conduct normal deliveries Perform episiotomy and suture it Assist with normal delivery Resuscitate newborns Assist with caesarean sections, Assist with other surgical procedures	Assessment Woman in labour Prepare the woman for labour Monitoring and caring of woman in labour Maintenance of partogram Conduct normal delivery Newborn assessment and immediate care Resuscitation of newborns Assist with abnormal vaginal delivery Assessment of risk status of newborn Episiotomy and suturing Maintenance of labour and birth records Arrange for and assist with Caesarean section and care for woman & baby during Caesarean Arrange for and assist with other surgical procedures	Conduct normal deliveries-20 Per vaginal examinations-5 Perform and suture the episiotomies-5 Resuscitate new borns-5 Assist with Caesarean Sections- Witness/Assist abnormal deliveries- 5 Assist with other surgical procedures – 1 Case book recordings	Assessment of clinical performance Assessment of each skill With check lists Completion of Case book recordings

Post natal ward	3	Provide nursing care to post natal mother and baby Counsel and teach mother and family for parent hood	Examination and assessment of normal and high risk mother and Baby Identification of deviations Care of postnatal normal and high risk mother and baby Teaching Post natal mother Mother craft Post natal care & exercises Immunization	Give care to Post natal mothers-20 Health talks- 2 Case study-1 Case presentation-1 Case book recordings	Assessment of clinical performance Assessment of each skill with checklists Completion of case book recording Evaluation of case study and presentation and health education sessions
Newborn nursery	1	Provide nursing care to newborn at risk	Admission of neonates Feeding of at risk neonates Witness/ assist with assessment and care of high risk newborn Thermal management of neonates-kangaroo mother care, care of baby in incubator Monitoring and care of neonates Administering medication Intravenous therapy Assisting with diagnostic procedure Assisting with exchange transfusion Care of baby on ventilator	Case study-1 Observation study-1	Assessment of clinical performance Evaluation of observation report

			Phototherapy Infection control protocols in the nursery Teaching and counseling of parents Maintenance of neonatal records		
Family Welfare Clinic/ post natal clinic	Rotation from post natal ward 1wk	Counsel for and provide family welfare services	Counselling Technique Assist with insertion of IUCD Teaching on use of family planning methods Arrange for and Assist with family planning operations Maintenance of records and reports	IUD insertion-5 Observation- report Counselling –2 Recording and reporting	Evaluation and observation report

Essential Requirements for registration as Midwife

Antenatal care	20
Antenatal examination	30
Conducting normal deliveries in hospital/home/health centre	15
Vaginal examination	5
Episiotomy and suturing	5
Neonatal resuscitation	5
Assist with Caesarean Section	2
Witness/Assist abnormal deliveries	5
Post natal cases nursed in hospital/home/health center	20
Insertion of IUD	5

Note : All case books must be certified by teacher on completion of essential requirements

Duration of posting in weeks.

Antenatal ward + OPD (ANC)	= 3+1
Post natal ward + clinic	= 3+1
Labour room + Neonatal Unit	= 3+1

Gynaecological Nursing

Placement : IV year

Hours of Instruction: Theory :

30hrs

(External : 10 hrs)

Practical :160hrs

Course description

This course is designed to help the students acquire knowledge develop attitude and beginning skills in the management of women with gynecological problems and render pre and post operative care to clients undergoing major and minor gynaecological operations

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activity	Assessment Method
I	3	<p>Describe the etiology pathophysiology clinical manifestations diagnostic measures,treatment and nursing management of patients with disorders of female reproductive system</p>	<p>Introduction to Gynaecologic Nursing</p> <ul style="list-style-type: none"> • Concepts and principles of Gynaecological Nursing • Trends and Issues • Review of anatomy and physiology of the female reproductive system • Congenital abnormalities of female reproductive system • Sexuality and Reproductive Health <p>Gynaecological Assessment</p>	<p>Lecture</p> <p>Discussion</p> <p>Explain using Charts,graphs, Models, films, slides</p> <p>Demonstration</p> <p>Practice session</p> <p>Case discussion</p> <p>Seminar</p> <p>Health education</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with check list</p> <p>Assessment of clinical performance</p> <p>Evaluation of case study and</p>

II	8		<ul style="list-style-type: none"> • History and Physical assessment • Breast Self Examination • Diagnostic measures <p>General pre and post operative management of women under going major and minor surgical procedures</p> <p>Etiology, Pathophysiology clinical manifestations, diagnosis and treatment modalities of disorder of female reproductive system</p> <p>Menstrual Dysfunction</p> <ul style="list-style-type: none"> • Dysmenorrhea, • Amenorrhea, • Premenstrual Syndrome • Abnormal Uterine Bleeding, Menorrhagia, Metrorrhagia • Menopause and Hormonal Replacement Therapy <p>Infertility and management</p> <p>Inflammatory diseases and Neoplasms</p>	<p>Supervised clinical practice</p> <p>Drug book presentation</p>	<p>presentation</p>
III	3				

IV	3		<ul style="list-style-type: none"> • Pelvic Inflammatory Disease • Ovarian and fallopian tube disorders, cysts tumours, Uterine and cervical disorders Endometriosis, polyps, Fibroids, Cervical and uterine tumours 		
V	5		<p>Mechanical Disturbances and Injuries to female genital tract</p> <ul style="list-style-type: none"> • Retroversion, uterine displacement , • Cystocele/ Urethrocele/ Rectocele • Injuries and Trauma to pelvic floor • Sexual violence • Fistulas 		
VI	3		<p>Infections of the female genital tract</p> <ul style="list-style-type: none"> • Venereal and non venereal infections and discharges • Vaginal and vulval disorders • Toxic Shock syndrome <p>Drugs used in treatment of gynaecological disorders</p>		

VII	5	<p>Describe indications, dosage, action, side effects and nurses responsibilities in the administration of drugs</p>			
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References:

1. Balley James and Grayson, Jane , **Obstetric and Gynaecological Nursing, 4th ed, ELBS, Billiere Tindall**
2. Bobak and Jenson, **Maternity and Gynaecologic care, Mosby year book, INC**
3. Dutta. D.C , **Text Book of Gynaecology, (4th ed) New central book agency, Calcutta.**
4. Milley Nerman F and Avery H, **Gynaecology and Gynaecologic Nursing, W.B.Saunders's Co, Philadelphia.**
5. Robert James and Crossward Campell, **Gynaecological Nursing, 4th ed, The C V Mosby Co, St. Louis.**

Community Health Nursing –II

Placement : Fourth Year
hours

Time : Theory – 90

Practical –320

hours

Course description : This course is designed for students to practice community health nursing for the individual, family and groups at both urban and rural settings by applying concept and principles of health and community health nursing.

Unit	Time (Hrs)	Learning Objectives	Contents	Teaching Learning Activities	Assessment] Methods
1	15	<ul style="list-style-type: none"> ●Describe Community Health Nursing approaches and concepts ●Describe the roles and responsibilities of Community health nursing personnel 	<p>Community health nursing approaches, concepts and roles and responsibilities of nursing personnel</p> <ul style="list-style-type: none"> ●Approaches <ul style="list-style-type: none"> Epidemiological approach Problem solving approach Evidence based approach Empowering people to care for themselves ●Job description of Community Health Nursing Personnel <ul style="list-style-type: none"> Roles and responsibilities of Community health nursing personnel in <p>Family health services</p> <ul style="list-style-type: none"> -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, planning 	Lecture Discussion Demonstration Practice session Supervised field practice Participation in camps Group project	Essay type Short answers

			<p>conduct and evaluation Waste management in the center, clinics etc.</p> <ul style="list-style-type: none"> •Home visit, Concept, Principles, Process, Techniques: Bag technique home visit 		
II	5	<p>Describe health plans, policies, various health committees and health problems in India</p>	<p>Health planning and policies and problems</p> <ul style="list-style-type: none"> •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 Millennium Development Goals •Health Problems in India 	<p>Lecture Discussion Panel discussion</p>	<p>Essay type Short answers</p>
III	10	<p>Describe the system of delivery of community health services in rural and urban areas</p> <p>List the functions of various levels and their staffing pattern Explain the components of health services Describe alternative systems of health promotion and health maintenance. Describe the chain of referral of system</p>	<p>Delivery of community health services</p> <ul style="list-style-type: none"> •Planning, budgeting and material management of SCs, PHC and CHC, <p>Rural : Organization , staffing and functions of rural health services provided by government at: Village, Subcentres, PHC, CHC, Hospital, District, State, Centre</p> <p>Urban: Organisation, staffing, and functions of urban health services provided by government at: Slums Dispensaries Maternal and child health centers Special Clinics Hospitals Corporation/Municipality/ Board</p> <ul style="list-style-type: none"> •Components of health services -Environmental sanitation -Health education -Vital statistics 	<p>Lecture Discussion Visits to various health delivery Systems Supervised field practice Panel discussion</p>	<p>Essay type Short answers</p>

			<p>-M.C.H. Antenatal, natal, postnatal, M.T.P. Act, Female foeticide act, child adoption act</p> <p>-Family Welfare</p> <p>-National health programmes</p> <p>-School health services</p> <p>-Occupational health</p> <p>-Defence services</p> <p>-Institutional services</p> <p>●Systems of medicine and health care</p> <p>-Allopathy</p> <p>-Indian System of Medicine and Homeopathy</p> <p>-Alternative health care systems like yoga, meditation, social and spiritual healing etc</p> <p>Referral system</p>		
IV	10	Describe and appreciate the activities of community health nurse in assisting individuals and groups to promote and maintain their health	<p>Assisting individuals and groups to promote and maintain their health</p> <p>●Empowerment for self care of individuals, families and groups in</p> <p>A. Assessment of individuals and family</p> <p>-Monitoring growth and development</p> <p>-Mile stones</p> <p>-Weight measurement</p> <p>-Social development</p> <p>Temperature and Blood pressure monitoring</p> <p>Menstrual cycle</p> <p>Breast self examination and testicles</p> <p>Warning Signs of various diseases</p> <p>Tests: Urine for sugar and albumin, blood sugar .</p> <p>B. Carryout therapeutic procedures as prescribe/required for self and family</p> <p>C. Sensitize and handle social issues affecting health and</p>	<p>Lecture</p> <p>Discussion</p> <p>Demonstration</p> <p>Practice session</p> <p>Supervised field practice</p> <p>Individual/group/family/community health education</p>	<p>Essay type</p> <p>Short answers</p>

			<p>development for self and family</p> <ul style="list-style-type: none"> -Women Empowerment -Women and child abuse -Abuse of elders -Female foeticide -Commercial sex workers -Food adulteration -Substance abuse <p>D. Utilize community resources for self and family</p> <ul style="list-style-type: none"> -Trauma services -Old age homes -Orphanage -Homes for physically and mentally challenged individuals -Homes for destitute 		
V	15	<p>Describe national health and family welfare programmes and role of a nurse</p> <p>Describe the various health schemes in India</p>	<p>National health and family welfare programmes and the role of a nurse</p> <ol style="list-style-type: none"> 1. National ARI programme 2. Revised National Tuberculosis Control Programme (RNTCP) 3. National Anti-Malaria Programme 4. National Filariasis 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, organization , administration , research, constraints 13. National water supply and sanitation programme 14. Minimum Need programme 	<p>Lecture discussion</p> <p>Participation in national health programmes</p> <p>Field visits</p>	<p>Essay type</p> <p>Short answers</p>

			<p>15. National diabetic control programme</p> <p>16. Polio Eradication : Pulse Polio Programme</p> <p>17. National Cancer Control Program</p> <p>18. Yaws Eradication Programme</p> <p>19. National Nutritional Anemia Prophylaxis programme</p> <p>20. ICDS programme</p> <p>21. Mid-day meal applied nutritional programme</p> <p>22. National mental health programme</p> <p>National Rural health Mission</p> <ul style="list-style-type: none"> • Health Schemes -ESI -CGHS -Health Insurance 		
VI	5	Explain the roles and functions of various national and international health agencies	<ul style="list-style-type: none"> • 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 on India (FPAI), Tuberculosis Association of India, Hindu Kusht Nivaran Sangh, Central Social Welfare Board, All India Women's conference, Blind Association of India etc. 	Lecture Discussion Field visits	Essay type Short answers

VII	7	Recognize the concept of family healthcare & show ability to plan & provide family centered comprehensive care. Develop beginning skill in providing health counselling	Family as the basic unit of services in C.H. Programme - interdependence of the family in Health & disease. -The family & the nurse -Objectives of family nursing care. -Assessing family in meeting their health needs. -Unusual methods of family nursing. Interviewing technique Family health counseling & guidance Evaluation of family health care.	Lecture Discussion Practice session Supervised field practice Organize group/individual counseling	Essay type Short answers
VIII	5	Describe the roles and functions of community health nurse in providing care in special settings	Role of Community Health Nurse in preventive care special Health services -Disaster management -Community oncology -Community Psychiatry -Community geriatrics -Emerging communicable diseases	Lecture Discussion Field work Project visits	Short answer Essay type
IX	5	Identify the principles and techniques of supervision and applies in community set up	Supervision- definition, principles, goals, methods, • Essential qualities and responsibilities • Supervisory function of Community Health Nurse in primary health care Unit -Maintaining Staff morale -Planning of work Schedule -Maintenance of records and reports -Evaluation of staff -Supervision of students-responsibilities of the Community Health Nurse.	Lecture Discussion Supervised field practice	Essay type short answer
X	5	Describe the philosophy & principles of public health administration Recognize the importance of research in community	Public Health Administration -Organization and administration of Health Services at Central, State and local level -Functions of DGHS Union list, concurrent list -Public Health Laws -Research in Community setting -Scope- Problems areas, role of Community Health nurse	Lecture Discussion	Essay type Short answer

Community Health Nursing –II-Practical

Placement : Fourth Year
320hrs

Time : Practical –

Areas	Duration (in week)	Objectives	Skills	Assignments	Assessment Methods
Community health Nursing	•1 wk for urban 7 wks for rural	<ul style="list-style-type: none"> •Identify community profile •Identify prevalent communicable diseases •Diagnose health needs of individual, families and community •Plan, Provide and evaluate care •Participate in school health program •Participate in national health programme •Organize group for self help and involve clients in their own health activities •Provide family Welfare services •Counsel and educate individual, family and community •Collect Vital health statistics •Maintain Records & reports 	<ul style="list-style-type: none"> •Community health survey •Community diagnosis •Family care : Home adaptation of common procedures •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 -Illness: Physical and mental -Disabilities •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 	Community survey report -I Work with assigned plan families Family care study-1 Family care Plan-3 Project- 1 Health talk-2 Case book recording Observation visits to factory, Central Institute of Leprosy, TB center, old age home, Institute for rural health, AIDS control Society	<ul style="list-style-type: none"> •Assess clinical performance with rating scale •Evaluation of community survey report, family care study, project and health talk •Completion of activity record. •Completion of case book recording

Areas	Duration (in week)	Objectives	Skills	Assignments	Assessment Methods
			<ul style="list-style-type: none"> • Collect and Calculate Vital health statistics • Document and maintain -Individual- family and administrative records -Write reports- centre, disease, national health programme, projects. 		

Nursing Education

Placement: IV year
hours

Time: Theory – 60

Practical – 160

hours

Course Description : This course is designed to help the students acquire an understanding of the principles and methods of teaching and to equip the students with the beginning skills in teaching in clinical, community health and educational settings

Unit	Theory	Learning Objective	Content	Teaching Learning Activities	Evaluation
1	10	<p>List the aims of education</p> <p>Explain principles of education</p> <p>Recognize the educational philosophies in Nursing Education</p> <p>Describe the characteristics of learning</p> <p>Explain the maxims of teaching</p> <p>Explain the laws of learning</p> <p>Explain the Methods of Teaching</p>	<p>Principles of education</p> <p>Meaning of education</p> <p>Definitions</p> <p>Aims</p> <p>Functions</p> <p>Principles</p> <p>Philosophies of Education</p> <p>Application of educational philosophies in Nursing Education, Idealism, Naturalism, pragmatism, Ecletism</p> <p>Current trends in Nursing Education</p> <p>Teaching Learning Process</p> <p>Teaching learning process</p> <p>Characteristics of learning</p> <p>Factors influencing learning</p> <p>Laws of learning</p> <p>Role of a teacher</p> <p>Qualities of teacher</p> <p>Principles of teaching</p> <p>Maxims of teaching</p>	<p>Lecture</p> <p>Discussion</p> <p>Lecture</p> <p>Discussion</p> <p>Conduct-5 Teaching sessions using Different methods and media</p>	<p>Short answer Objective type</p> <p>Written assignments</p> <p>Short answer Objective type</p>
II	10	<p>Demonstrate skill in teaching in all settings using various methods and medias</p>	<p>Methods of Teaching</p> <p>Lecture</p> <p>Demonstration</p> <p>Discussion</p> <p>Seminar, symposium</p> <p>Panel Discussion</p> <p>Programmed Instruction</p> <p>Microteaching</p> <p>Self instructional media</p> <p>Simulation</p> <p>Computer assisted Learning</p> <p>Role Play, Field trip</p> <p>Workshop</p> <p>Clinical teaching methods</p>		<p>Evaluating Teaching</p>

Unit	Theory	Learning Objective	Content	Teaching Learning Activities	Evaluation
III	12	<p>Define curriculum</p> <p>List the principles of curriculum planning</p> <p>Explain the classification of educational objectives</p> <p>List the qualities of an educational objectives</p> <p>List the qualities of educational objective</p> <p>Prepare unit plan, lesson plan</p>	<p>Curriculum</p> <p>Definition</p> <p>Concepts Principles of curriculum Planning</p> <p>Steps in curriculum development</p> <p>Formulation of Educational objectives Taxonomical classification of objectives</p> <p>Course Planning</p> <p>Unit Plan –Types</p> <p>Lesson Plan</p> <p>Elements of daily plan</p>		
IV	10	<p>Prepare and use different types of educational media effectively</p>	<p>Educational Media</p> <p>Purposes & types of A.V. Aids, principles and sources etc.</p> <p>Graphic aids, chalk board, chart, graph, poster, flash cards, flannel graph, bulletin board, cartoon</p> <p>Three dimensional aids: Objects, specimens, models, puppets</p> <p>Printed aids pamphlets & leaflets</p> <p>Projected aids: slides, overhead projector, films TV, VCR,.VCD, camera microscope, LCD projector</p> <p>Audio aids: tape recorder, public address system</p> <p>Computer</p>	<p>Lecture</p> <p>Discussion</p> <p>Demonstration</p> <p>Prepare different teaching aids projected and non projected</p>	<p>Short Answer</p> <p>Projective type</p> <p>Assess the teaching aids prepared</p>
IV	10	<p>Prepare different types of questions for assessment of knowledge skills and attitudes</p>	<p>Evaluation :Assessment</p> <p>Purpose & scope of evaluation & assessment</p> <p>Criteria for selection of assessment techniques and methods</p>	<p>Lecture</p> <p>Discussion</p> <p>Demonstration</p> <p>Prepare different teaching aids projected and non projected</p>	

Unit	Theory	Learning Objective	Content	Teaching Learning Activities	Evaluation
V	10		Assessment of knowledge essay type questions, Short answer question (SAQ) Multiple choice questions (MCQ) Assessment of skills: observation checklist, practical exam, Viva, Objective structured clinical examination (OSCE) Assessment of Attitudes Attitude Scales Qualities of an evaluation tool, principles of evaluation and, test construction. Evaluation of the course accreditation	Lecture Discussion Exercise on writing different types of assessment tools	Short Answer Objective type Assess the strategies used in practice teaching sessions and exercise sessions
VI	5	Develop basic skill of counseling and guidance	Guidance & counselling Definition Purpose, scope and need Basic principles Organization of counseling services Types of counseling approaches	Lecture Discussion Role play in counseling in different situations followed by discussion	Short Answer Objective type Assess performance in role play situations
VII	3	Define discipline Describe principles & Types of discipline Identify Teachers Role in preventive discipline	Discipline definition aims of discipline in education principles & Types preventive discipline, teachers role in disciplinary problem disciplinary procedure	Lecture Discussion	Short answers Objective type

References :

1. Dr. A. Kurian George, Principles of curriculum development & evaluation –2002
2. Guilbert J.J. Educational Hand Book for Health Personnel, WHO publication, 1977.
3. Sampath K. Introduction to Educational Technology
4. Heidger ken, Teaching & Learning in Schools of Nursing.

MANAGEMENT OF NURSING SERVICE AND EDUCATION

Placement – Fourth year

Time Theory– 60 Hours

Practical –160 Hours

Course Description : This course is designed to provide the students a basic knowledge about the principles and functions of administration and its application to the nursing service and education. This is also designed to enable students to acquire understanding of the professional responsibilities prospects and contribution to the growth of the

Unit	Time Hrs		Learning Objective	Content	Teaching Learning Activities	Assessment Methods
	T	P				
	4		Explain the principles and functions of Management	Introduction to Management in nursing Definitions, concepts Theories Administration Vs Management Functions of management Principles or management Role of nurse as a manager	Lecture Discussion	Short answers Essay type
			Describe the elements and process of management	Management Process Planning-meaning nature, principles, mission, philosophy, objectives, Operational plan, types, Organization-definition, principles, organizational structure, Organization chart Staffing, philosophy, Staffing norms, Human Resource Management Recruiting, selecting, deployment, retraining, promoting, etc, Directing Process (leading) Controlling, Quality Management Programme Evaluation and Review Technique (PERT) Bench Marking Activity Plan GanttChart Budgeting concept, principles, types, cost benefit analysis, audit. Material management equipment and supplies		
II	6		Describe the concepts, theories techniques of organizational behaviour and human relational	Organizational behaviour and human relations Concept, Principles and theories Communication- Techniques, channels, IPR ,Leadership styles • Leadership Definition, function, Leadership styles Qualities of a leader Leadership in management of nursing service Assertiveness Motivation, concepts & theories Group dynamics Human relations Public relations in context of nursing Relations with professional association and employee unions collective bargaining work culture	Lecture Discussion Explain using organization chart	Short answers Essay type

profession.

Unit	Time Hrs		Learning Objective	Content	Teaching Learning Activities	Assessment Methods
III	30	60	<p>Describe the Management of nursing service in the hospital</p> <p>Describe the function of personnel management</p> <p>Describe the role of the administrator in budget preparation</p>	<p>Management of nursing service department Philosophy and objectives. -Organization of the hospital, nursing service department The Nursing Service Unit, Planning- Physical facilities, floor space -Time planning weekly/Daily plan Hospital and Patient Care Unit Factors affecting ward management Patient Classification System Assignment of patients Role of Head Nurse in training of students Ward Teaching, Nursing rounds, Nursing care conference Setting standards for nursing care Procedure manual Duties & responsibilities and Job description of various categories of staff Delegation Participatory management ●Personnel (Human) Resource management -Importance -Selection & recruitment -Manpower planning -Man power recruitment Staff Patient Ratio -Job description -Job analysis -Job specification -Staff morale -Staff turnover Supervision & guidance – principles and technique Maintenance of discipline Disciplinary procedures ● Budgeting:- definition, principles features of a good budget. Types, preparation of budget, cost benefit analysis Budget proposals for Nursing department, Administrator’s role, projecting requirements for staff, equipments and supplies ●Material Management: Supplies and equipment, Procurement, inventory control</p>	<p>Lecture Discussion Demonstration Stimulated Exercise Supervised Practice in ward –writing indents, Preparing duty roaster, ward supervision Assignment on duties and responsibilities of ward sister Writing report</p>	<p>Short answers Essay type Assessment of problems solving exercises, Assessment of the assignments Performance evaluation</p>

				<p>Maintenance of supplies and equipment in nursing service units</p> <p>Role of the Head Nurse</p> <p>Role of administrator</p> <ul style="list-style-type: none"> • Evaluation <p>Nursing rounds, Nursing protocols, manuals</p> <p>Performance appraisal of all categories of staff, Nursing audit, Anecdotal records, Evaluation of patient. care.</p> <p>Quality assurance</p> <p>Documentation: Importance, Types of records and report, principles.</p>		
			<p>Describe the ethical and legal responsibilities of</p> <p>Explain the nursing practice standards</p> <p>professional nurse</p>	<p>Nursing as a Profession</p> <p>Nursing as a profession</p> <p>Philosophy, nursing practice, Aims and objectives</p> <p>Characteristics of a professional nurse</p> <p>Regulatory bodies, I.N.C, S.N.C constitution functions</p> <p>Current trends and issues in Nursing</p> <p>Professional ethics</p> <p>Code of ethics : INC, ICN</p> <p>Code of professional conduct</p> <p>INC, I.C.N</p> <ul style="list-style-type: none"> • Consumer protection act • Ethical and legal responsibilities of a professional nurse • Practice standards for Nursing <p>INC laws related to Nursing practice</p> <p>Legal terms related to practice, registration & licensing procedures</p> <p>Breach of laws</p> <p>Torts</p> <p>Penalties and punishments</p> <p>Malpractice & Negligence</p>	<p>Lecture</p> <p>Discussion</p> <p>Explain using organization chart</p>	<p>Short answers</p>
V	5	5	<p>Participate in planning and organizing in</p>	<p>In Service education</p> <p>Nature & scope of in-service</p>	<p>Lecture</p> <p>Discussion</p> <p>Plan &</p>	<p>Short Answer</p> <p>Objective type</p> <p>Assess the</p>

			service education program	education program Organization of in-service education Principles of adult learning. Planning for in-service education program, techniques, methods & evaluation of staff education program	conduct an educational session for in service nursing personnel	planning & conduct of the educational session
IV	15	40	<p>Explain the role of the administrator in selection and appointment of staff and students List the essentials of an educational institution</p> <p>Describe the role of the Administrator in faculty development</p>	Management of Nursing Educational Institutions ●Review –History of developments of Nursing Education, State, National ● Organizational pattern of Educational institutions ● Essentials of educational institutions as per I.N. C. norms -Physical facilities -Staff pattern School of Nursing College of Nursing Management of faculty -Selection and recruitment -Orientation programme -Organization chart -Job description -Job specification -Staff development Continuing education In service education Work shops Staff welfare, leave, salary -Promotion, Placement, guidance and supervision -Performance appraisal -Institutional reports and records Administration of students Selection and admission, Orientation, Students Health Programme Students Welfare Guidance and Counselling Co-curricular and Professional activities		Short answers Essay Type

			<p>Role of the administrator in the administration curriculum</p> <p>Describe the role to the administrator in Finance Management</p> <p>Explain the role of the administrator in maintaining publicity of the institution</p>	<p>Records and Reports Transcript/C.V Cumulative Record -Admission Register Student accommodation Hostel facilities – I.N.C Transportation facilities Administration of curriculum</p> <ul style="list-style-type: none"> ● Plan organize and install the facilities for the implementation of the curriculum <p>Master rotation Clinical rotation</p> <ul style="list-style-type: none"> ● Teaching system “ <p>Clinical facilities Affiliation Evaluation Student evaluation Teacher evaluation Course evaluation</p> <p>Periodical revision of the curriculum Accreditation Guidelines Administration of the Finance Plan, prepare and send the budget proposals. Utilization of budget procurement of equipment & supplies. Library books/Journals. A.V aids Salary emolument of the employees. Stipend to the students Publicity of the Institution</p> <p>Public relations</p> <p>P.T.A.</p> <p>Camps</p> <p>Advertisements</p> <p>Conferences</p> <p>Campus Selections</p> <p>Publishing results and annual reports</p> <p>Publication, Brochure magazine</p>		<p>Short answers</p> <p>Evaluate the Master rotation and clinical rotation.</p>
V	5		<p>Explain the various opportunities for professional</p>	<p>Professional advancement Continuing education</p>	<p>Lecture Discussion Review or Presentation of</p>	<p>Short answers</p>

			advancement	Career Opportunities Collective Bargaining Membership with professional organization National and International Participation in research activities Publications, Journals, Newspapers etc.	published articles Group work on maintenance of bulletin board	
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References:

1. Barret, Jean, Ward Management and Teaching- Himalayan Books, New Delhi.
2. Barret M.J. Gressner, The Head Nurse- Her leadership Role, Himalayan Books, New Delhi.
3. Goddard M. Principles of Administration applied to Nursing service.
4. Chatterjee S.S An introduction to management- its principles and techniques, World Press, Calcutta .
5. Alexander etal, Nursing Service Administration, C.V. Mosby Company St. Louis . 1968.
6. Anna Hellen, Gallaghen, Educational administration in Nursing, The Macmillan Company, New York.