

**THE TAMILNADU DR.M.G.R. MEDICAL
UNIVERSITY CHENNAI – 600 032.**



**REGULATION AND SYLLABUS FOR
B.Sc DEGREE COURSE IN NURSING (BASIC)
2010 – 2011**

**The Tamil Nadu Dr.MGR. Medical University
No.69, Anna salai, Guindy, chennai- 6000 032**

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The University emblem symbolizes various systems of medicine and Para medical systems. It also depicts the global character of preventive, promotive, and curative medicine. The motto “HEALTH FOR ALL” reflects all the objectives of this medical university.

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THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY, CHENNAI -600 032

REGULATIONS OF THE UNIVERSITY

In exercise of the powers conferred by Section 44 of the Tamil Nadu Dr.M.G.R.Medical University, Chennai Act 1987 (Tamil Nadu Act 37 of 1987) the Standing Academic Board of the Tamil Nadu Dr.M.G.R.Medical University, Chennai hereby makes the following regulations:-

SHORT TITLE AND COMMENCEMENT:-

These regulations shall be called THE REGULATIONS FOR THE B.Sc., DEGREE COURSE IN NURSING (BASIC) OF THE TAMIL NADU Dr. M.G. R. MEDICAL UNIVERSITY, CHENNAI”.

They shall come into force from the academic year 2010-2011

The regulations framed are subject to modification from time to time by the Standing Academic Board.

1. ELIGIBILITY FOR ADMISSION

- i) Candidates belonging to all categories for admission to the B.Sc., Degree course in Nursing (Basic) should have passed the qualifying examinations (Academic Stream) after period of 12 years of study with the following subjects of Physics, Chemistry and Biology or Botany and Zoology.
- ii) Every candidate before admission to the course shall submit to the Principal of the institution a certificate of medical fitness from an authorized medical officer that the candidate is physically fit to undergo the academic course.
- iii) The minimum educational requirements shall be passing of Higher Secondary School Certificate Examination (12 years course)
(Or)
Senior School Certificate Examination (10+2), pre-degree Examinations (10+2)
(Or)
An equivalent with 12 years schooling from a recognized Board or University with Science (Physics, Chemistry, Biology) and English with minimum 40% aggregate marks (PCBE); for SC/ST candidates – the minimum percentage of marks is 35%.

2. AGE LIMIT FOR ADMISSION:

A candidate should have completed the age of 17 years at the time of admission or would complete the said age on or before 31st December of the year of admission to the B.Sc. (Nursing) degree course.

3.ELIGIBILITY CERTIFICATE:

The candidate who has passed any qualifying examinations other than the Higher Secondary Course Examination conducted by the Government of Tamil Nadu, before seeking admission to any one of the affiliated institutions shall obtain an Eligibility Certificate from the University by remitting the prescribed fees along with application form which shall be downloaded from the University website (www.tnmmu.ac.in)

4.REGISTRATION:

A Candidate admitted in the B.Sc. Degree Course in Nursing (Basic) in any one of the affiliated institutions of this University shall register his / her name with this university by submitting the prescribed application form for registration duly filled, along with the prescribed fee and a declaration in the format to the Academic Officer of this University through the affiliated institution within 60 days from the cut-off date prescribed for the course for admission. The applications should have date of admission of the course.

5 MIGRATION/TRANSFER OF CANDIDATE:

(a) A student studying in B.Sc. Nursing (Basic) Course can be allowed to migrate/transfer to another Nursing College under same or another University.

(b) The University concerned can allow the migration/transfer within three months after passing the first year B.Sc. Nursing (Basic) degree course examination, as a rule.

(c) The number of students migrating/transferring from one college to another college during one year will be kept to the minimum so that the training of the regular students of the college is not adversely affected. The number of students migrating/transferring to/from any college should not exceed the limit of 5% of its

intake subject to a maximum of 5 students in any one of the Nursing Colleges in one year. If any student is migrated from one institution to another, it should be informed immediately to the University.

6. COMMENCEMENT OF THE COURSE:

The course shall commence from 1st August of the academic year.

7. MEDIUM OF INSTRUCTION:

English shall be the Medium of instruction for all the subjects of study and for examinations of the Bachelor of Science Degree Course in Nursing (Basic).

8. CURRICULUM:

The Curriculum and the syllabus for the course shall be as prescribed in these regulations and are subject to modifications by the Standing Academic Board from time to time.

9. DURATION OF THE COURSE:

The duration of certified study for the B.Sc. Degree course in Nursing (Basic) shall extend over a period of four academic years including integrated practice.

During the fourth year of study after completion of first six months of theory and practice, they have to appear for the university examination in February/August.. Once they have completed their university examination their internship period of six months to be started.

The Course completion certificate will be issued by the concerned institution, only after completion of 6 months period of internship.

The university will issue the provisional certificate only after obtaining course completion certificate from the concerned institution.

The candidate should complete this course in 8 years (double the duration) from the date of joining the course.

10. RE-ADMISSION AFTER BREAK OF STUDY:

The regulations for re-admission are as per the University Common Regulation for Re-admission after break of study for all courses.

11. WORKING DAYS IN THE ACADEMIC YEAR:

Each academic year shall consist of not less than 270 working days

12. ATTENDANCE REQUIRED FOR ADMISSION TO EXAMINATION:

- (a) No candidate shall be permitted to appear in any one of the parts of B.Sc. in Nursing Degree course (Basic) Examinations unless he/she has attended the course in the subject for the prescribed period in an affiliated institution recognized by this University and produce the necessary certificate of study attendance, satisfactory conduct and progress from the Head of the institution.

- (b) A candidate is required to put in a minimum of 90% of attendance in both theory and practical separately in each subject before admission to the examinations or all the years of study in B.Sc Nursing Degree of this University.

- (c) A candidate lacking in the prescribed attendance and progress in any one subject in theory and practical in the first appearance shall not be permitted for admission to the entire examinations.

13 CONDONATION OF LACK OF ATTENDANCE:

There shall be no condonation of lack of attendance.

14 VACATION:

The Heads of Institutions shall declare 2 (two) weeks of vacations in an academic year to the students. The period(s) of vacation can be decided by the Head of the Institution.

15. INTERNAL ASSESSMENT MARKS:

The Internal Assessment should consist of the following points for evaluation:-

- i) Theory
- ii) Practical
- iii) Viva

- (a) A minimum of three written examinations shall be conducted in each subject during a year and the average marks of the three performances shall be taken into consideration for the award of sessional marks.
- (b) A minimum of one practical examination shall be conducted in each subject (wherever practical have been included in the curriculum) and grades of ongoing clinical evaluation to be considered for the award of sessional marks.
- (c) A failed candidate in any subject should be provided an opportunity to improve her/his sessional marks by conducting a minimum of two examinations in theory and practical separately and the average may be considered for improvement.
- (d) If a failed candidate does not appear for any “Improvement Mark Examinations” in the failed subject (s) the internal marks awarded for the previous examination shall be carried over for her/his subsequent appearance(s).

The uniform dates for submission of Internal Assessment Marks are as follows:

For the subjects of one year duration:

At the end of January, April & June and the aggregate of Final Internal Assessment Marks on or before 10th July.

The aggregate of Final Internal Assessment Marks submitted on or before 10th July/10th January as per scheme of examination shall be taken by the University as Internal Assessment Marks and a minimum of 50% of marks is mandatory for permitting the candidates to University Examinations.

16. CUT-OFF DATES FOR ADMISSION TO EXAMINATIONS:

- (i) 30th September of the academic year concerned
- (ii) The candidates admitted up to 30th September of the academic year shall be registered to take up then 1st year examination during August of the next year.
- (iii) All kinds of admission shall be completed on or before 30th September of the academic year. There shall not be any admission after 30th September even if seats are vacant.

17. SUBMISSION OF PRACTICAL RECORD BOOKS:

The concerned Head of the Department shall evaluate the Practical Record (Internal Evaluation) and the Practical Record shall be submitted to the Principal 15 days prior to the commencement of the theory examination and to be presented to the external university practical examiner.

At the time of Practical Examination, each candidate shall submit to the Examiners his / her Practical Record Book duly certified by the Head of the Department as a bonafide record of the work done by the candidate.

18.DURATION:

Course Duration	4 years
Weeks per year	52 weeks
Vacation	2 weeks
Hours per week	45
Hours per academic year	1660 hours
No. of Working days per year	270 days

19. COURSE OF INSTRUCTION

First Year

Subject	Theory (In hrs.) (Class and Lab)	Practical (In hrs.) (Clinical)	In Hours
1. English	60		
2. Anatomy	60		
3. Physiology	60		
4. Nutrition	60		
5. Biochemistry	60		
6. Nursing Foundations	275 + 200	550	
7. Psychology	80		
8. Microbiology	80		
9. Introduction to Computers	55	20	
10. Library Work /Self Study			50
11. Co-curricular activities			50
Total Hours	990	570	100
Total Hours = 1660 hrs.			

Second year

Subject	Theory (In hrs.) (Class and Lab)	Practical (In hrs) (Clinical)	In Hours
1. Sociology	80		
2. Pharmacology	50		
3. Pathology	40		
4. Genetics	20		
5. Medical-Surgical Nursing (Adult including Geriatrics)-I	210	800	
6. Community Health Nursing-I	100	160	
7. Communication and Educational Technology	60+40		
8. Library Work / Self Study			50
9. Co-curricular activities			50
Total Hours	600	960	100
Total Hours = 1660 hrs.			

Third Year

Subject	Theory (In hrs.) (Class and Lab)	Practical (In hrs) (Clinical)	In Hours
1. Medical Surgical Nursing (Adult including Geriatrics)- II	120	300	
2. Child Health Nursing	100	300	
3. Mental Health Nursing	100	300	
4. Midwifery and Obstetrical Nursing	80	260	
5. Library Work / Self Study			50
6. Co-curricular activities			50
Total Hours	400	1160	100
Total Hours = 1660 hrs			

Fourth Year

Subject	Theory (In hrs.) (Class and Lab	Practical (In hrs) (Clinical)	In Hours
1. Midwifery and Obstetrical Nursing	50	170	
2. Community Health Nursing – II	90	140	
3. Nursing Research & Statistics	50	*	
4. Management of Nursing Services and Education	60+30		
Total Hours	280	310	
Total Hours = 590 hrs			

Internship (Integrated Practice)

Subject	Theory	Practical (In hrs)	In weeks
1. Midwifery and Obstetrical Nursing		240	5
2. Community Health Nursing – II		195	4
3. Medical Surgical Nursing (Adult and Geriatric)		430	9
4. Child Health Nursing		145	3
5. Mental Health Nursing		95	2
6. Research Project		45	1
Total Hours		1150	24
Total Hours = 1740			

**project work to be carried out during internship*

Note:

1. Internship means 8 hours of integrated clinical duties in which 2 weeks of evening and night shift duties are included
2. Internship should be carried out as 8 hours per day @ 48 hours per week
3. Students during internship will be supervised by nursing teachers

20.SCHEME OF EXAMINATION

First Year

Subject	Assessment			
	Hours	Internal	External	Total
Theory				
1. Anatomy & Physiology	3	50	100	150
2. Nutrition and Biochemistry	3	50	100	150
3. Nursing Foundations	3	50	100	150
4. Psychology	3	50	100	150
5. Microbiology	3	50	100	150
6. English*	3	100*	--	100
7. Introduction to Computers*	3	100*	--	100
Practical and Viva Voce				
1. Nursing Foundations		100	100	200

**The respective Colleges will conduct examination for Introduction to Computers and English and the marks will be sent to the University.*

Second Year

Subject	Assessment			
	Hours	Internal	External	Total
Theory				
8. Sociology	3	50	100	150
9. Medical Surgical Nursing-I	3	50	100	150
10. Pharmacology, Pathology, Genetics	3	50	100	150
11. Community Health Nursing-I	3	50	100	150
12. Communication	3	50	100	150

and Educational Technology				
Practical and Viva voce				
2. Medical Surgical Nursing-I		100	100	200

Third Year

Subject	Assessment			
	Hours	Internal	External	Total
Theory				
13. Medical-Surgical Nursing-II	3	50	100	150
14. Child Health Nursing	3	50	100	150
15. Mental Health Nursing	3	50	100	150
Practical and Viva voce				
3. Medical Surgical Nursing-II		50	50	100
4. Child Health Nursing		50	50	100
5. Mental Health Nursing		50	50	100

Fourth Year

Subject	Assessment			
	Hours	Internal	External	Total
Theory 16. Midwifery and Obstetrical Nursing	3	50	100	150
17. Community Health Nursing-II	3	50	100	150
18. Nursing Research & Statistics	3	50	100	150
19. Management of Nursing Services and Education	3	50	100	150
Practical and Viva Voce				
6. Midwifery and Obstetrical Nursing		50	50	100
7. Community Health Nursing		50	50	100

21. COMMENCEMENT OF THE EXAMINATIONS:

1st August / 1st February. If the date of commencement of examination falls on Saturdays / Sundays or declared Public Holidays, the examination shall begin on the next working day. The University paper will be awarded for 100 marks and Internal 50 marks.

22. DISTRIBUTION OF TYPE OF QUESTION PATTERN FOR 100 MARKS (APPLICABLE FOR ALL SUBJECTS):

Short Answer	10 x 2 = 20 marks
Short Notes	10 x 5 = 50 marks
Essay questions	2 x 15 = 30 marks

100 marks

DISTRIBUTION OF TYPE OF QUESTION PATTERN FOR 50 MARKS

FIRST YEAR –

Anatomy and Physiology

Section – A – Anatomy – 50 marks

Section – B – Physiology – 50 marks

Anatomy

Short Answer	5 x 2 = 10 marks
Short Notes	5 x 5 = 25 marks
Essay questions	1 x 15 = 15 marks

50 marks

Physiology

Short Answer	5 x 2 = 10 marks
Short Notes	5 x 5 = 25 marks
Essay questions	1 x 15 = 15 marks

50 marks

Nutrition and Biochemistry

Section – A – Nutrition – 50 marks

Section – B – Biochemistry – 50 marks

Nutrition

Short Answer 5 x 2 = 10 marks

Short Notes 5 x 5 = 25 marks

Essay questions 1 x 15 = 15 marks

50 marks

Biochemistry

Short Answer 5 x 2 = 10 marks

Short Notes 5 x 5 = 25 marks

Essay questions 1 x 15 = 15 marks

50 marks

SECOND YEAR - Distribution of Marks

Pharmacology, Pathology & Genetics

Section – A – Pharmacology – 50 marks

Section – B – Pathology - 30 marks

Genetics - 20 marks

Pharmacology

Short Answer 5 x 2 = 10 marks

Short Notes 5 x 5 = 25 marks

Essay questions 1 x 15 = 15 marks

50 marks

Pathology

Short Answer 5 x 2 = 10 marks

Short Notes 1 x 5 = 5 marks

Essay questions 1 x 15 = 15 marks

30 marks

Genetics

Short Answer 5 x 2 = 10 marks

Short Note 2 x 5 = 10 marks

20 marks

FOURTH YEAR - Distribution of Marks

(1) Nursing Research and Statistics

Section – A – Nursing Research – 50 marks

Section – B – Statistics – 50 marks

Nursing Research

Short Answer 5 x 2 = 10 marks

Short Notes 5 x 5 = 25 marks

Essay questions 1 x 15 = 15 marks

50 marks

Statistics

Short Answer 5 x 2 = 10 marks

Short Notes 5 x 5 = 25 marks

Essay questions 1 x 15 = 15 marks

50 marks

23. MARKS QUALIFYING FOR PASS:

50% of marks in the University Theory Examinations

50% of marks in the University Practical Examinations

50% of marks in the subject where internal evaluation alone is conducted

50% of marks in aggregate in Theory, Practical I.A. & Oral taken together

40% of marks shall be for English only

24. CLASSIFICATION OF SUCCESSFUL CANDIDATE

A successful candidate:

(i) Who secures not less than 75% in any subjects gets distinction in that particular subject provided she/he passes the whole examinations in the first attempt.

(ii) Who passes the examinations in all subjects at the first appearance obtaining not less than 60% of the aggregate marks shall be declared to have passed the examinations in the first class.

(iii) All the other successful candidate shall be declared to have passed the examination in the second class.

(iv) A candidate passing a University examination in more than one attempt will be given "Pass Class" irrespective of percentage of marks secured by the candidate in the examinations.

25. CARRY OVER OF FAILED SUBJECTS:

(1) A candidate has to pass in theory and practical examinations separately in each of the paper

(2) If a candidate fails in either theory or practical examinations, he/she has to reappear for both (theory and practical)

(3) Only five attempts are allowed in each subject including 1st attempt

- (4) A candidate failing in more than 2 subject will not be promoted to next year
- (5) Candidate shall not be permitted to the subsequent higher examinations unless the candidate has passed the previous examinations.

26 PRACTICAL EXAMINATION

Maximum number of candidates for practical examination should not exceed 20 per day.

The examiner should be a lecturer or above in a college of Nursing with M.Sc. (N) in concerned subject and minimum of 3 years of teaching experience.

To be an examiner for nursing foundations course faculty having M.Sc.(N) with any specialty shall be considered.

27.NUMBER OF EXAMINERS

One internal and one external examiner should jointly conduct practical/ oral examination for each student

28. REVALUATION/RETOTALLING OF ANSWER PAPERS:

Revaluation of answer papers is not permitted. Only retotalling of theory answer papers is allowed, in the failed subjects.

29. AWARD OF MEDALS AND PRIZES:

The University shall award at its Convocation Medals and Prizes to outstanding candidates as and when instituted by the donors as per the prescribed terms and condition for the award of the same.

30 AUTHORITY TO ISSUE TRANSCRIPT OF MARKS:

The University shall be the Authority for issuing Transcript after remitting the prescribed fee.

ANNEXURE-I
DECLARATION

I -----Son of / Daughter of -----
-----Residing at -----and admitted to in
I year of ----- (Name of the Course /
U.G./P.G) at -----(Name of the College) do
hereby solemnly affirm and sincerely state as follows.

I declare that I shall abide by the rules and regulations prescribed by the Tamil Nadu
Dr. M.G.R Medical University, Chennai for the ----- (course) including
regulations for re-admission after the break of study.

Date:

/counter Signed/

signature of candidate

(Official date seal)

Dean/Principal/ Director

PHILOSOPHY

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

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

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

Under graduate 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.

AIMS

The aim of the undergraduate nursing program is to, :

- Prepare graduates to assume responsibilities as professional, competent nurses and midwives at basic level in providing promotive, preventive, curative and rehabilitative services.
- Prepare nurses who can make independent decisions in nursing situations, protect the rights of, facilitate individuals and groups in pursuit of health, function in the hospital, community nursing services and conduct research studies in the areas of nursing practice. They are also expected to assume the role of teacher, supervisor and manager in a clinical / public health setting.

OBJECTIVES

On completion of B.Sc. Nursing degree programme the graduates will be able to:

1. Apply knowledge from physical, biological and behavioral sciences, medicine, including alternative systems and nursing in providing nursing care to individuals, families and communities.
2. Demonstrate understanding of life style and other factors, which affect health of individuals and groups.
3. Provide nursing care based on steps of nursing process in collaboration with the individuals and groups
4. Demonstrate critical thinking skill in making decisions in all situations in order to provide quality care.
5. Utilise the latest trends and technology in providing health care.
6. Provide promotive, preventive and restorative health services in line with the national health policies and programs.
7. Practice within the framework of code of ethics and professional conduct and acceptable standards of practice within the legal boundaries.
8. Communicate effectively with individuals and groups and members of the health team in order to promote effective interpersonal relationships and teamwork.
9. Demonstrate skills in teaching to individuals and groups in clinical/ community health settings.
10. Participate effectively as members of the health team in health care delivery system.
11. Demonstrate leadership and managerial skills in clinical / community health settings.
12. Conduct need based research studies in various settings and utilize the research findings to improve the quality of care.
13. Demonstrate awareness, interest and contribute towards advancement of self and of the profession.

Note:

1. Anatomy and Physiology University question paper will consist of section A - Anatomy of 50 marks and B - Physiology should be of 50 marks.
2. Nutrition and Biochemistry University question paper will consist of Section A Nutrition of 50 marks and Section B Biochemistry of 50 marks.
3. Pharmacology, Genetics, Pathology: Section A Pharmacology with 50 marks, Section B Pathology of 30 and Genetics with 20 marks.
4. Nursing Research & Statistics – Nursing Research should be of 50 marks and Statistics of 50 marks
5. Minimum pass marks shall be 40% for English only
6. Theory and Practical exams for Introduction to Computers and English to be conducted as College exam and marks to be sent to University for inclusion in the mark sheet.
7. Minimum pass marks shall be 50% in each of the Theory and practical papers separately.
8. A candidate must have minimum of 90% attendance (irrespective of the kind of absence) in theory and practical in each subject for appearing University examination.
9. A candidate must have 100% attendance in each of the practical areas before award of degree.
10. A candidate has to pass in theory and practical exam separately in each of the paper.
11. If a candidate fails in either theory or practical paper he/she has to re-appear for both the papers (Theory and practical).
12. maximum number of attempts permitted for each paper is 5 including first attempt
13. A candidate failing in more than two subjects will not be promoted to the next year.
14. Candidate shall not be admitted to the subsequent higher examination unless the

candidate has passed the previous examination.

15. The maximum period of complete the course successfully should not exceed 8 years.
16. Maximum number of candidates for practical examination should not exceed 20 per day.
17. All practical examinations must be held in the respective clinical areas.
18. One internal and One external examiner should jointly conduct practical examination for each student.
19. An examiner should be a lecturer cadre or above in a college of nursing with M.Sc(N) in concerned subject with minimum of 3 years of teaching experience.
20. To be an examiner for Nursing Foundations course faculty having M.Sc.(N) with any specialty shall be considered.

ENGLISH

Placement: First year

Theory - 60 Hours

Course description: The 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 experience.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	10	<ul style="list-style-type: none"> ➤ Speak & write grammatically correct English 	<ul style="list-style-type: none"> ➤ Review of Grammar ➤ Remedial study of grammar ➤ Building Vocabulary ➤ Phonetics ➤ Public Speaking 	<ul style="list-style-type: none"> ➤ Demonstrate use of dictionary grammar ➤ Class-room Conversation ➤ Exercise on use of Grammar ➤ Practice in Public speaking 	<ul style="list-style-type: none"> ➤ Objective type ➤ Fill in the blanks ➤ Para Phrasing
II	30	<ul style="list-style-type: none"> ➤ Develop ability to read, understand and express meaningfully, the prescribed text. 	<ul style="list-style-type: none"> ➤ Read and comprehend prescribed course books 	Exercise on: <ul style="list-style-type: none"> ➤ Reading ➤ Summarizing ➤ Comprehension 	<ul style="list-style-type: none"> ➤ Short Answers ➤ Essay type.
III	10	<ul style="list-style-type: none"> ➤ Develop writing skills 	Various forms of composition <ul style="list-style-type: none"> ➤ Letter writing ➤ Note takings ➤ Precis writings ➤ Nurses Notes ➤ Anecdotal records ➤ Diary writing ➤ Reports on health problem etc 	Exercise on writing: <ul style="list-style-type: none"> ➤ Letter writing ➤ Nurses Notes ➤ Précis ➤ Diary ➤ Anecdotal ➤ Health problem ➤ Resume /CV ➤ Essay Writing - Discussion on written reports / documents	Assessment of the skills based on the checklist.
IV	6	<ul style="list-style-type: none"> ➤ Develop skill in spoken English 	Spoken English <ul style="list-style-type: none"> ➤ Oral report ➤ Discussion ➤ Debate ➤ Telephonic Conversion 	Exercise on: <ul style="list-style-type: none"> ➤ Debating ➤ Participating in Seminar, Panel, Symposium ➤ Telephonic Conversion ➤ Conversation in different situations, practice in public speaking 	Assessment of the skills based on the checklist.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
V	4	➤ Developing skills 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 checklist.

ANATOMY

Placement: First year

Theory - 60 Hours

Course description: The course is designed to assist students to acquire the knowledge of the normal structure of human body & functions. To ensure the students to understand the alternation in anatomical structure and function in disease and practice of Nursing.

Unit	Time (Hrs)	Learning Objectives	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 Alterations in disease Applications and implications nursing	➤ Lecture discussion ➤ Explain using charts, microscopic slides, Skeleton & torso ➤ Demonstrate cells, types of tissues membranes and glands ➤ Record book	➤ Short answer questions ➤ Objective type
II	6	➤ 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	➤ Lecture discussion ➤ Explain using charts, skeleton, loose bones, and joints ➤ Record book	➤ Short answer questions ➤ Objective type

			<ul style="list-style-type: none"> and structure ➤ Alterations in disease Applications and implications in nursing 		
III	7	<ul style="list-style-type: none"> ➤ Describe the structure and function of muscles 	<p>The Muscular System</p> <ul style="list-style-type: none"> ➤ Types and structure of muscles ➤ Muscle groups Alterations in disease Applications and implications in nursing 	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Explain using chart, models and films ➤ Demonstrate muscular movements ➤ Record book 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
IV	6	<ul style="list-style-type: none"> ➤ Describe the structure & function of nervous system 	<p>The Nervous System</p> <ul style="list-style-type: none"> ➤ Structure of neurologia & neurons ➤ Somatic Nervous system <ul style="list-style-type: none"> - Structure of brain, spinal cord, cranial nerves, spinal nerves, peripheral nerves ➤ Autonomic Nervous System — sympathetic, parasympathetic <ul style="list-style-type: none"> - Structure, location Alterations in disease Applications and implications in nursing 	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Explain using models, charts, slides, specimens ➤ Record book 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type
V	6	<p>Explain the structure & functions of sensory organs</p>	<p>The Sensory Organs</p> <ul style="list-style-type: none"> ➤ Structure of skin, eye, ear, nose, tongue, (Auditory and olfactory apparatus) Alterations in disease Applications and implications in nursing 	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Explain using models, charts, slides, specimens ➤ Record book 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type
VI	7	<p>Describe the structure & function of circulatory and lymphatic system</p>	<p>Circulatory and lymphatic system</p> <ul style="list-style-type: none"> ➤ The Circulatory System <ul style="list-style-type: none"> - Blood — Microscopic structure - Structure of Heart Structure of blood vessels — Arterial & Venous System, - Circulation: systemic, 	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Explain using models, charts, slides, specimens ➤ Record book 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type

			<p>pulmonary, coronary Lymphatic system</p> <ul style="list-style-type: none"> - Lymphatic vessels and lymph - Lymphatic tissues - Thymus gland - Lymph nodes - Spleen - Lymphatic nodules <p>Alterations in disease Applications and implications in nursing</p>		
unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
VII	5	➤ Describe the structure & functions of respiratory system	<p>The Respiratory System</p> <ul style="list-style-type: none"> • Structure of the organs of respiration • Muscles of respiration: Intercostals and Diaphragm <p>Alterations in disease Applications and implications in nursing</p>	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Explain using models, charts, slides, specimens ➤ Record book 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type
VIII	6	Describe the structure & functions of digestive system	<p>The Digestive System</p> <ul style="list-style-type: none"> • Structure of Alimentary tract and accessory organs of digestion <p>Alterations in disease Applications and implications in nursing</p>	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Explain using models, charts, slides, specimens ➤ Record book 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type
IX	4	Describe the structure & functions Of excretory system	<p>The Excretory System (Urinary)</p> <ul style="list-style-type: none"> • Structure of organs of urinary System: Kidney, ureters, urinary bladder, urethra, structure of skin <p>Alterations in disease Applications and implications in nursing</p>	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Explain using models, charts, slides, specimens ➤ Record book 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type
X	4	Describe the structure & functions of endocrine system	<p>•The Endocrine System</p> <p>Structure of Pituitary, Pancreas, thyroid, Parathyroid, thymus and adrenal glands</p> <p>Alterations in disease Applications and implications in nursing</p>	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Explain using models, charts, slides, specimens ➤ Record book 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type
XI	4	Describe the structure and	<p>The Reproductive system including breast</p>	<ul style="list-style-type: none"> ➤ Lecture discussion 	<ul style="list-style-type: none"> ➤ Short answer

		functions of reproductive system	<ul style="list-style-type: none"> • Structure of female reproductive organs • Structure of male reproductive organs. • Structure of breast Alterations in disease Applications and implications in nursing	<ul style="list-style-type: none"> ➤ Explain using models, charts, slides, specimens ➤ Record book 	questions <ul style="list-style-type: none"> ➤ Objective type
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Anatomy & Physiology

Recommended Books:

- 1.) Cohen – Memmler’s Structure & Function of Human Body, 2009, LWW.
- 2.) Waugh – Ross & Wilson Anatomy & Physiology, 2008, Elsevier.
- 3.) Venkatesh – Basic Medical Physiology for Nursing ,2009 ,LWW

Reference Books

- 1.) Tortora – Anatomy & Physiology,2007,Wiley
- 2.) Chaurasia – Human Anatomy,2005,CBS Publishers
- 3.) Standring - Gray’s Anatomy,2006,Elsevier
- 4.) Venkatesh – Basic Medical Physiology, 2009, LWW
- 5.) Guyton – Medical Physiology, 2007, Elsevier.
- 6.) West – Best& Taylor Physiologic Basis of Disease, Waverly
- 7.) Snell – Clinical Anatomy by Regions,WK

PHYSIOLOGY

Placement: First year

Theory - 60 Hours

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	4	<ul style="list-style-type: none"> ➤ Describe the physiology of cell, tissues, membranes and glands 	Cell Physiology <ul style="list-style-type: none"> • Tissue-formation, repair • Membranes & glands — functions Alterations in disease Applications and implications in nursing	<ul style="list-style-type: none"> ➤ Lecture discussion 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type
II	4	<ul style="list-style-type: none"> ➤ Describe the bone formation and growth and movements of skeleton system 	Skeletal System <ul style="list-style-type: none"> ➤ Bone formation & growth ➤ Bones - Functions and movements of axial and appendicular skeleton, bone healing ➤ Joints and joint movement Alterations in disease Applications and implications in nursing	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Explain using Charts, models and films ➤ Demonstration of joint movements 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type
III	4	<ul style="list-style-type: none"> ➤ Describe the muscle movements and tone and demonstrate muscle contraction and tone 	Muscular System <ul style="list-style-type: none"> ➤ Muscle movements, Muscle tone, Physiology of muscle contraction, levels and maintenance of posture ➤ Alterations in disease Applications and implications in nursing	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Explain using Charts, models slides, specimen and films ➤ Demonstration of muscle movements, tone and contraction 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type
IV	7	<ul style="list-style-type: none"> ➤ Describe the physiology of nerve stimulus, reflexes, brain, cranial and spinal nerves ➤ Demonstrate reflex action 	Nervous System <ul style="list-style-type: none"> ➤ Functions of Neurologia & neurons ➤ Stimulus & nerve-impulse- definitions and mechanism ➤ Functions of brain, spinal cord, cranial and spinal nerves ➤ Cerebrospinal fluid- 	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Explain using, Charts, models and films ➤ Demonstrate nerve stimulus, reflex action, 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type

		and stimulus	<p>Composition, circulation and function</p> <ul style="list-style-type: none"> ➤ Reflex arc, Reflex action and reflexes <p>Autonomic functions— Pain: somatic, visceral, and referred Autonomic learning and biofeedback Alterations in disease Applications and implications in nursing</p>	reflexes	
V	8	<p>Describe the physiology blood and functions of Heart Demonstrate blood cell count, coagulation, grouping, Hb: BP and Pulse monitoring</p>	<p>Circulatory System</p> <ul style="list-style-type: none"> • Blood formation, 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 <p>Alterations in disease Applications and implications in nursing</p>	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Explain using Charts, films ➤ Demonstration of Blood cell count, coagulation, grouping, Hemoglobin estimation, Heart conduction system. ➤ Measurement of pulse, BP 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type
VI	6	<ul style="list-style-type: none"> • Describe the physiology and mechanisms of respiration • Demonstrates spirometry 	<p>The Respiratory System</p> <ul style="list-style-type: none"> • Functions of respiratory organs • Physiology of respiration • Pulmonary ventilation, Volume • Mechanics of respiration • Gaseous exchange in lungs • Carriage of oxygen & carbon-dioxide Exchange of gases in tissues • Regulation of respiration. <p>Alterations in disease Applications and implications in nursing</p>	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Explain using Charts, films ➤ Demonstration of spirometry 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type
VII	6	<ul style="list-style-type: none"> • Describes the physiology of digestive system • Demonstrates BMR 	<p>The Digestive System</p> <ul style="list-style-type: none"> • Functions of organs of digestive tract. Movements of alimentary tract, Digestion in mouth, stomach, small intestines, Large intestines, Absorption of food. Functions of liver, gall bladder and pancreas • Metabolism of carbohydrates, protein and fat 	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Explain using Charts, Films 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type
VIII	5	Describe the physiology of Excretory	<p>The Excretory System</p> <ul style="list-style-type: none"> • Functions of kidneys, ureters, urinary bladder & urethra 	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Explain using 	<ul style="list-style-type: none"> ➤ Short answer questions

		System	<ul style="list-style-type: none"> • Composition of urine • Mechanism of urine formation • Functions of skin • Regulation of body temperature • Fluid and electrolyte balance. Alterations in disease Applications and implications in nursing	Charts, films	➤ Objective type
IX	4	• Describe the physiology of sensory organs	The Sensory Organs Functions of skin, eye, ear, nose, tongue, Alterations in disease 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 <ul style="list-style-type: none"> • Functions of Pituitary, pineal body, thymus, Thyroid, parathyroid, pancreas, Suprarenal, Placenta and ovaries & Testes Alterations in disease Applications and implications in nursing	➤ Lecture discussion ➤ Explain using Charts, films ➤ Demonstration of BMR	➤ Short answer questions ➤ Objective type
XI	5	Describe the physiology of male and female reproductive system	The Reproductive System <ul style="list-style-type: none"> • Reproduction of cells — DNA, Mitosis, Meiosis, spermatogenesis, oogenesis. • Functions of female reproductive organs; Functions of breast, Female sexual cycle. • Introduction to embryology. • Functions of male reproductive organs, Male function in reproduction, Male fertility system, Alterations in disease Applications and implications in nursing	➤ Lecture discussion ➤ Explain using Charts, films, models, specimens	➤ Short answer questions ➤ Objective type
XII	2	Describe the physiology of Lymphatic and Immunological System	Lymphatic and Immunological System <ul style="list-style-type: none"> • Circulation of lymph • immunity Formation of T-cells and β cells Types of Immune response Antigens Cytokines Antibodies	➤ Lecture discussion ➤ Explain using Charts, films	➤ Short answer questions ➤ Objective type

Anatomy & Physiology

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- 5.) Waugh – Ross & Wilson Anatomy & Physiology, 2008, Elsevier.
- 6.) Venkatesh – Basic Medical Physiology for Nursing ,2009 ,LWW

Reference Books

- 8.) Tortora – Anatomy & Physiology,2007,Wiley
- 9.) Chaurasia – Human Anatomy,2005,CBS Publishers
- 10.) Standring - Gray's Anatomy,2006,Elsevier
- 11.) Venkatesh – Basic Medical Physiology, 2009, LWW
- 12.) Guyton – Medical Physiology, 2007, Elsevier.
- 13.) West – Best& Taylor Physiologic Basis of Disease, Waverly
- 14.) Snell – Clinical Anatomy by Regions,WK

NUTRITION

Placement: First year

Theory - 60 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
	T	P				
I	4		<ul style="list-style-type: none"> ➤ Describe the relationship between nutrition & Health. 	Introduction <ul style="list-style-type: none"> • Nutrition: <ul style="list-style-type: none"> - 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 	<ul style="list-style-type: none"> ➤ Lecture ➤ Discussion ➤ Explaining using charts ➤ Panel discussion 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type
II	2		<ul style="list-style-type: none"> ➤ 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, 	<ul style="list-style-type: none"> ➤ Lecture ➤ Discussion ➤ Explaining using charts 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type

			metabolism of carbohydrates • Malnutrition: Deficiencies and Over consumption		
III	2	➤ Describe the classification, functions, sources and recommended daily allowances (RDA) of Fats	Fats • 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 answer questions ➤ Objective type
IV	2	➤ Describe the classification, functions, sources and recommended daily allowances (RDA) of Proteins	Proteins • Classification • Caloric value • Recommended daily allowances • Dietary sources. • Functions. • Digestion, absorption, metabolism and storage • Malnutrition: Deficiencies and Over consumption	➤ Lecture ➤ Discussion ➤ Explaining using charts	➤ Short answer questions ➤ Objective type
V	3	➤ Describe the daily calorie requirement for different categories of people	Energy • 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) - determination and factors affecting	➤ Lecture ➤ Discussion ➤ Explaining using charts ➤ Exercise ➤ Demonstration	➤ Short answer questions ➤ Objective type
VI	4	➤ Describe the classification, functions, sources and recommended daily allowances (RDA) of	Vitamins ➤ Classification ➤ Recommended daily allowances ➤ Dietary sources. ➤ Functions. ➤ Absorption,	➤ Lecture ➤ Discussion ➤ Explaining using charts	➤ Short answer questions ➤ Objective type

			Vitamins	synthesis, ➤ metabolism storage and excretion ➤ Deficiencies ➤ Hypervitaminosis		
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Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
VII	4		<ul style="list-style-type: none"> ➤ 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 	<ul style="list-style-type: none"> ➤ Lecture ➤ Discussion ➤ Explaining using charts 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type
VIII	3		<ul style="list-style-type: none"> ➤ 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 body water, • Electrolytes: Types, sources, composition of body fluids • Maintenance of fluid & electrolyte balance • Over hydration, dehydration and water intoxication • Electrolyte imbalances 	<ul style="list-style-type: none"> ➤ Lecture ➤ Discussion ➤ Explaining using charts 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type
IX	5	15	<ul style="list-style-type: none"> ➤ Describe the Cookery rules and preservation of nutrients ➤ Prepare and serve simple beverages and different types of foods 	Cookery rules and preservation of nutrients <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 	<ul style="list-style-type: none"> ➤ Lecture ➤ Discussion ➤ Demonstration ➤ Practice session 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type ➤ Assessment of practice sessions
X	7	5	<ul style="list-style-type: none"> ➤ Describe and plan balanced 	Balanced diet <ul style="list-style-type: none"> ➤ Elements 	<ul style="list-style-type: none"> ➤ Lecture ➤ Discussion 	<ul style="list-style-type: none"> ➤ Short answer questions

			diet for	<ul style="list-style-type: none"> ➤ Food groups ➤ Recommended Daily 	<ul style="list-style-type: none"> ➤ Explaining using charts 	<ul style="list-style-type: none"> ➤ Objective type
			different categories of people	<p>Allowance</p> <ul style="list-style-type: none"> • Nutritive value of foods • Calculation of balanced diet for different categories of people <p>Planning menu Budgeting of food Introduction to therapeutic diets: Naturopathy --Diet</p>	<ul style="list-style-type: none"> ➤ Practice session ➤ Meal planning 	<ul style="list-style-type: none"> ➤ Exercise on menu ➤ Planning
XI	4		<ul style="list-style-type: none"> ➤ Describe various national programmes related to nutrition ➤ Describe The role of nurse in assessment of nutritional status and nutrition education 	<p>Role of nurse in nutritional programmes</p> <ul style="list-style-type: none"> • National programmes related to nutrition <ul style="list-style-type: none"> o Vitamin A deficiency programme o National iodine deficiency disorders (IDD) programme o Mid-day meal programme o Integrated child development scheme (ICDS) • National and International agencies working towards food/nutrition <ul style="list-style-type: none"> o NIPCCD, CARE, FAO, NIN, CFTRI(Central food technology and research institute) etc • Assessment of nutritional status • Nutrition education and role of nurse 	<ul style="list-style-type: none"> ➤ Lecture ➤ Discussion ➤ Explaining using charts ➤ Slide /Film shows ➤ Demonstration of Assessment of nutritional status 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type

BIOCHEMISTRY

Placement: First year

Theory - 60 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 alterations in understand the biochemistry in diseases for practice of nursing.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	6	<ul style="list-style-type: none"> - Describe the structure Composition and functions of cell - Differentiate between Prokaryote and Eukaryote cell - Identify techniques of Microscopy 	Introduction <ul style="list-style-type: none"> ➤ 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	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type
II	6	<ul style="list-style-type: none"> ➤ Describe the Structure and functions of Cell membrane 	Structure and functions of Cell membrane <ul style="list-style-type: none"> • Fluid mosaic model tight junction, Cytoskeleton • Transport mechanism: diffusion, osmosis, filtration, active channel, sodium pump • Acid base balance-maintenance & diagnostic tests <ul style="list-style-type: none"> - PH buffers 	Lecture discussion	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type
III	12	<ul style="list-style-type: none"> ➤ Explain the metabolism of carbohydrates 	Composition and metabolism of Carbohydrates <ul style="list-style-type: none"> ➤ Types, structure, composition and uses <ul style="list-style-type: none"> - Monosaccharides, - Disaccharides, Polysaccharides, Oligosaccharides 	Lecture discussion Demonstration of blood glucose monitoring	Short answer questions Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> • Metabolism Pathways of glucose: <ul style="list-style-type: none"> - Glycolysis - Gluconeogenesis: Cori's cycle, Tricarboxylic acid(TCA) cycle - Glycogenolysis - Pentose phosphate pathways (Hexose mono phosphate) Regulation of blood glucose level Investigations and their Interpretations 		➤
IV	10	➤ Explain the metabolism of Lipids	<p>Composition and metabolism of Lipids</p> <ul style="list-style-type: none"> • Types, structure, composition and uses of fatty acids <ul style="list-style-type: none"> - Nomenclature, Roles and Prostaglandins • Metabolism of fatty acid <ul style="list-style-type: none"> - Breakdown - Synthesis • Metabolism of triacylglycerols • Cholesterol metabolism <ul style="list-style-type: none"> - Biosynthesis and its Regulation - Bile salts and bilirubin - Vitamin D - Steroid hormones • Lipoproteins and their functions: <ul style="list-style-type: none"> - VLDLs- IDLs, LDLs and HDLs - Transport of lipids - Atherosclerosis, Investigations and their interpretations 	Lecture Discussion using charts Demonstration of laboratory tests	Short answer questions Objective type
V	11	➤ Explain the metabolism of Amino acids and Proteins	<p>Composition and metabolism of Amino acids and Proteins</p> <p>Types, structure, composition and uses of Amino acids and Proteins</p> <p>Metabolism of Amino acids and Proteins</p>	Lecture Discussion using charts Demonstration of laboratory tests	Short answer questions Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Protein synthesis, targeting and 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		
VI	7	➤ 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 Demonstrate laboratory tests	Short answer questions Objective type
VII	8	➤ Describe Immuno-chemistry	Immunochemistry • Immune response, • Structure and classification of immunoglobins • Mechanism of antibody production • Antigens: HLA typing. • Free radical and Antioxidants. • Specialised Protein: Collagen, Elastin, Keratin, Myosin, Lens Protein. • Electrophoretic and Quantitative determination of immunoglobins — ELISA etc. Investigations and their interpretations	Lecture Discussion Demonstrate laboratory tests	Short Answer questions Objective type

NURSING FOUNDATIONS

Placement: First year

Time: Theory - 275 hours
Practical - 750 hours
(200 lab and 550 clinical)

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 Supervised 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 Objectives	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: Health – Illness continuum ➤ Factors influencing health ➤ Causes and risk factors for developing illness ➤ Body defences: Immunity and immunization ➤ Illness and illness Behaviour: ➤ Impact of illness on patient and family / ➤ Health Care Services: Health Promotion and prevention and Primary Care, Diagnosis, Treatment, Rehabilitation and Continuing Care ➤ Health care teams ➤ Types of health care agencies: ➤ Hospitals: Types, Organization Functions ➤ Health Promotion and Levels of Disease Prevention ➤ Primary health care and its delivery: Role of nurse 	Lecture discussion Visit to health care agencies	<ul style="list-style-type: none"> ➤ Essay type ➤ Short answer questions ➤ Objective type
II	16	<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 a profession • Nursing: Definition, Concepts, philosophy, objectives <ul style="list-style-type: none"> • Characteristics, nature and scope of nursing practice • Functions of nurse 	Lecture discussion Case discussion Role plays	<ul style="list-style-type: none"> ➤ Essay type ➤ Short answers ➤ Objective type
			Qualities of a nurse		

			<ul style="list-style-type: none"> - Categories of nursing personnel - Nursing as a Profession - History of Nursing in India Values: Definition, Types, Values Clarification and values in professional Nursing: Caring and Advocacy Ethics: <ul style="list-style-type: none"> - Definition and Ethical Principles - Code of ethics and professional conduct for nurses 		
III	4	<ul style="list-style-type: none"> ➤ Explain the admission and discharge procedure ➤ Performs admission and discharge procedure 	<p>Hospital admission and discharge</p> <ul style="list-style-type: none"> • Admission to the hospital <ul style="list-style-type: none"> - Unit and its preparation - admission bed - Admission procedure - Special considerations - Medico-legal issues - Roles and Responsibilities of the nurse • Discharge from the hospital <ul style="list-style-type: none"> - Types: Planned discharge, LAMA and 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 	Lecture discussion Demonstration Lab Practice Supervised Clinical practice	Essay type Short answers Objective type Assess skills with check list Clinical practical examination
IV	10	Communicate effectively with patient, families and team member and maintain effective human	<p>Communication and Nurse patient relationship</p> <ul style="list-style-type: none"> • Communication: Levels, Elements, Types, Modes, Process, Factors influencing Communication <ul style="list-style-type: none"> - Methods of Effective Communication, - Attending skills 	Lecture discussion Role play and video film on the nurses interacting with the patient Practice session on patient	Essay type Short answers Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		relations (projecting professional image) Appreciate the importance of patient teaching in nursing	<ul style="list-style-type: none"> - Rapport building skills - Empathy skills - Barriers to effective communication, • Helping Relationships (NPR): Dimensions of Helping. Relationships, Phases of a helping relationship • 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) • Patient Teaching: Importance, Purposes, Process, role of nurse and Integrating teaching in Nursing Process 	<ul style="list-style-type: none"> teaching Supervised Clinical practice 	
V	17	<ul style="list-style-type: none"> ➤ Explain the concept, uses, format and steps of nursing process ➤ Documents nursing process as per the Corniat 	<p>The Nursing Process</p> <ul style="list-style-type: none"> • Critical Thinking and Nursing Judgment Critical Thinking: Thinking and Learning, <ul style="list-style-type: none"> o Competencies, Attitudes for Critical Thinking, Levels of critical thinking in Nursing • Nursing Process Overview: Application in Practice <ul style="list-style-type: none"> o Nursing process format: INC, current format o Assessment Collection of Data: Types, Sources, Methods - Formulating Nursing judgment: Data interpretation <ul style="list-style-type: none"> o Nursing diagnosis - Identification of client problems - Nursing diagnosis statement • Difference between medical and nursing diagnosis <ul style="list-style-type: none"> o Planning 	<ul style="list-style-type: none"> • Lecture discussion • Demonstration • Exercise • Supervised Clinical practice 	<ul style="list-style-type: none"> Essay type Short answers Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<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 Implementation — Implementing the plan of care Evaluation - Outcome of care - Review and.Modify Documentation and Reporting 		
VI	4	<ul style="list-style-type: none"> ➤ Describe the purposes, types and techniques of recording and reporting 	<p>Documentation and Reporting</p> <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, • Common Record-keeping forms, Computerized documentation • Guidelines for Reporting: Factual Basis, Accuracy, Completeness, currentness, 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
VII	17	<ul style="list-style-type: none"> ➤ Describe principles and techniques of monitoring and maintaining vital signs ➤ Monitor and maintain vital signs 	<p>Vital signs</p> <ul style="list-style-type: none"> • Guidelines for taking vita! signs: • Body temperature: <ul style="list-style-type: none"> • Physiology, Regulation, Factors affecting body temperature, • Assessment of body temperature: sites, equipments and technique, special considerations 	Lecture Discussion Demonstration Practice Supervised Clinical practice	Essay type Short answers Objective type Assess with check list and clinical practical

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> - Temperature alterations: Heatstroke, Hypothermia Hot and cold applications Pulse: <ul style="list-style-type: none"> - Physiology and Regulation, Characteristics of the pulse, Factors affecting pulse - Assessment of pulse: sites, location, equipments and technique, special considerations - Alterations in pulse: Respiration: <ul style="list-style-type: none"> - Physiology and Regulation, Mechanics of breathing Characteristics of the respiration, Factors affecting respiration - Assessment of respirations: technique, special considerations - Alterations in respiration Blood pressure: <ul style="list-style-type: none"> - Physiology and Regulation, Characteristics of the blood pressure, Factors affecting blood pressure - Assessment of blood pressure: sites, equipments and technique, special considerations - Alterations in blood pressure Recording of vital signs 		
VIII	30	<ul style="list-style-type: none"> ➤ Describe purpose and process of health assessment ➤ Describe the health assessment each body system 	<p>Health assessment</p> <ul style="list-style-type: none"> • Purposes • Process of Health assessment <ul style="list-style-type: none"> - Health history - Physical examination: <ul style="list-style-type: none"> - Methods- inspection, Palpation, Percussion, Auscultation, Olfaction Preparation for examination: patient and unit 	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Demonstration ➤ Practice on simulators ➤ Supervised Clinical practice 	<p>Essay type</p> <p>Short answers</p> <p>Objective Type</p>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		Perform health assessment of each body - system	General assessment Assessment of each body System Recording of health assessment		
IX	5	➤ Identifies the various machinery, equipment and linen and their care	Machinery, Equipment and linen Types: Disposables and reusables- Linen, rubber goods, glass ware, metal, plastics, furniture, machinery Introduction : - Indent - Maintenance - Inventory	➤ Lecture discussion ➤ Demonstration	➤ Essay type ➤ Short answers ➤ Objective type
X	62	➤ Describe the basic, physiological and psychosocial needs of patient ➤ Describe the principles and techniques for meeting basic, Physiological and psychosocial needs of patient ➤ Perform nursing assessment, plan, implement and evaluate the care for meeting basic, physiological and psychosocial needs of patient	Meeting needs of patient • Basic needs (Activities of daily living) Providing safe and clean environment: - Physical -environment: Temperature, Humidity, Noise, Ventilation, light, Odour, pests control - - Reduction of Physical hazards: fire, accidents - Safety devices: Restraints, side rails, airways, trapez etc - Role of nurse in providing safe and clean environment Hygiene: - - Factors Influencing Hygienic Practice - Hygienic care: 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 - Patient environment: Room	• Lecture discussion • Demonstration • Practice sessions • Supervised • Clinical practice	➤ Essay type ➤ Short answers ➤ Objective type ➤ Assess with check list and clinical practical examination

			Equipment and linen, Making patient beds		
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Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> -Types of beds and bed making Comfort: - - Factors Influencing Comfort - Comfort devices Physiological needs: -Sleep and Rest: - Physiology of sleep - Factors affecting sleep - Promoting Rest and sleep - Sleep Disorders Nutrition: - - Importance - Factors affecting nutritional - Assessment of nutritional needs: Variables - Meeting Nutritional needs: Principles, equipments, procedure and special considerations -Oral - Enteral: Naso/ Orogastic, gastrostomy - Parenteral: - Urinary Elimination - Review of Physiology of Urine Elimination, Composition and characteristics of urine Factors Influencing Urination Alteration in Urinary Elimination Types and Collection of urine specimen: Observation, urine testing Facilitating urine elimination: assessment, types, equipments, procedures and special considerations - Providing urinal / bed pan 		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> o Condom drainage o Perineal care o Catheterization o Care of urinary drainage o Care of urinary diversions o Bladder irrigation <ul style="list-style-type: none"> ▪ Bowel Elimination - Review of Physiology of Bowel Elimination, Composition and characteristics of faeces - Factors affecting Bowel elimination - Alteration in Bowel Elimination - 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 Care of Ostomies Mobility and Immobility - Principles of Body Mechanics - Maintenance of normal body dignment and mobility - Factors affecting 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, method and 		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			special considerations, rehabilitation aspects Range of motion exercises o Maintaining body alignment: Positions Moving Lifting Transferring Walking Restraints - Oxygenation - Review of Cardiovascular and respiratory Physiology - Factors Affecting Oxygenation - Alterations in oxygenation - Nursing interventions in oxygenation: assessment, types, equipment used, procedure and special considerations Maintenance of patent airway Oxygen administration Suction Inhalations: dry and moist Chest physiotherapy and postural drainage Care of Chest drainage Pulse oximetry CPR- Basic life support Fluid, Electrolyte, and Acid — Base Balances - Review of Physiological Regulation of Fluid, Electrolyte, and Acid -Base Balances - Factors Affecting Fluid, Electrolyte, and Acid - Base Balances - Alterations in Fluid, Electrolyte, and Acid - Base Balances Nursing interventions in Fluid, Electrolyte, and Acid		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> - Base imbalances: assessment, types, equipment, procedure and special considerations o 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, Administering Blood transfusion Restriction of fluids 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 <ul style="list-style-type: none"> o Recreational and diversional therapies 		
XI	22	Describe principles and techniques for infection control and biomedical waste management in Supervised Clinical	Infection control in Clinical settings <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) 	Lecture discussion Demonstration Practice session Supervised Clinical practice	

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		settings	<ul style="list-style-type: none"> • Concept of asepsis: medical asepsis, and surgical asepsis Isolation precautions (Barrier nursing): <ul style="list-style-type: none"> - Hand washing: simple, hand antiseptics and surgical antiseptics (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 and Transportation and disposal 		
XII	42	<p>Explain the principles, routes, effects of administration of medications</p> <p>Calculate conversions of drugs and dosages within and between systems of measurements</p>	<p>Administration of Medications</p> <ul style="list-style-type: none"> • General Principles/Considerations Purposes of Medication Principles: 5 rights, Special Considerations, Prescriptions, Safety in Administering Medications and Medication Errors <ul style="list-style-type: none"> - Drug forms - Routes of administration - Storage and maintenance of drugs and Nurses responsibility - Broad classification of drugs 	<p>Lecture</p> <p>discussion</p> <p>Demonstration</p> <p>Practice session</p> <p>Supervised</p> <p>Clinical practice</p>	<p>.Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assess with check list and clinical practical examination</p>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		Administer drugs by the following routes-oral, Intradermal, Subcutaneous Intramuscular, Intra Venous topical, inhalation	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 safety 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 - Intra Venous: purpose,site, equipment, procedure, special considerations - Advanced techniques: 		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			epidural, intrathecal, intraosseous, intraperitoneal, intraplural, intraarterial- Role of nurse Topical Administration: purposes, site, equipment, procedure, special considerations for Application to Skin Application to mucous membrane - Direct application of liquids-Gargle and swabbing the throat - Insertion of Drug into body cavity: Suppository, medicated packing in rectum/vagina - Instillations:, Ear, Eye, Nasal, Bladder, and Rectal - Irrigations: Eye, Ear, Bladder, Vaginal and Rectal - Spraying: Nose and throat Inhalation: Nasal, oral, endotracheal (steam, oxygen and medications) purposes, types, equipment, procedure, special considerations - Recording and reporting of medications administered		
XIII	10	Describe the pre and post operative care of patients Explain the process of wound healing Explain the principles and techniques of care	Meeting needs of Perioperative patients Definition and concept of Perioperative Nursing Preoperative Phase - Preparation of patient for surgery Intraoperative Operation theatre Set up and environment - Role of nurse Postoperative Phase	Lecture discussion Demonstration Practice session Supervised Clinical practice	Essay type Short answers Objective type Assess with check list and clinical practical examination

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		Perform care of wounds	<ul style="list-style-type: none"> - Recovery unit - Post operative unit - Postoperative care, Wounds: types, Classifications, wound Healing Process, Factors affecting Wound, Complications of Wound Healing Surgical asepsis Care of the wound: types, equipments, procedure and special considerations - Dressings, Suture Care, - Care of Drainage - Application of Bandages, Binders, Splints & Slings - Heat and Cold Therapy 		
XIV	15	Explain care of patients having alterations in body functioning	<p>Meeting special needs of the patient</p> <p>Care of patients having alteration in</p> <ul style="list-style-type: none"> - Temperature (hyper and hypothermia); Types, Assessment, Management - Sensorium (Unconsciousness); Assessment, Management - Urinary Elimination (retention and incontinence); Assessment, Management - Functioning of sensory organs:(Visual & hearing impairment) - Assessment of Self-Care ability - Communication Methods and special considerations - Mobility (physically challenged, cast), assessment of Self-Care ability: Communication Methods and special considerations - Mental state (mentally challenged), assessment of Self-Care ability; 	<p>Lecture</p> <p>discussion</p> <p>Case discussions</p> <p>Supervised clinical practice</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective Type</p>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			- Communication Methods and special considerations - Respiration (distress); Types, Assessment, Management Comfort - (Pain) - Nature, Types, Factors influencing Pain, Coping, Assessment, Management; Treatment related to gastrointestinal system: nasogastric suction, gastric irrigation, gastric - analysis		
XV	5	Explain care of terminally ill patient	Care of Terminally ill patient - Concepts of Loss, Grief, grieving Process - Signs of clinical death - Care of dying patient: special considerations - Advance directives: euthanasia, will, dying declaration ,organ donation etc - Medico-legal issues - Care of dead body: equipment, procedure and care of unit - Autopsy - Embalming	<ul style="list-style-type: none"> ▪ Lecture discussion ▪ Demonstration ▪ Case discussion / Role play ▪ Practice session ▪ Supervised ▪ Clinical practice 	Essay type Short answers Objective Type
XVI	6	Explain the basic concepts of conceptual and theoretical models of nursing	Professional Nursing concepts and practices Conceptual and theoretical models of nursing practice: Introduction to models- holistic model, health belief model, health promotion model etc Introduction to Theories in Nursing; Peplau's, Henderson's, Orem's, Neuman's, Roger's and Roy's Linking theories with nursing process	<ul style="list-style-type: none"> ▪ Lecture discussion 	Essay type Short Answers

Fundamentals of Nursing

Recommended Books:

- 1.) Taylor – Fundamentals of Nursing, 2007, LWW
- 2.) Kozier – Fundamentals of Nursing ,2007,Pearson
- 3.) Potter – Basic Nursing ,2008,Elsevier
- 4.) Lynn – Taylor’s Clinical Nursing Skills,2008,LWW

Reference Books:

- 1.) Craven – Fundamentals of Nursing ,2010,LWW
- 2.) Potter – Fundamentals of Nursing ,2009,Elsevier’s
- 3.) St John’s Ambulance – First AID, 2007,St John’s Ambulance Association.
- 4.) LWW – Lippincott’s Nursing Procedure, 2008, LWW.
- 5.) Jacob – Clinical Nursing Skills & Procedures ,2008,Jaypee
- 6.) Carpenito – Understanding Nursing Process,2007,LWW

NURSING FOUNDATIONS- PRACTICAL

Placement: First year

Time: Practical - 750 hours
(200 lab and 550 clinical)

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

Areas	Time (Hrs)	Objectives	Skills	Assignments	Assessment methods
Demonstration Lab General Medical and surgery ward	200 550 Minimum practice time in clinical area)	Performs admission and discharge procedure	Hospital admission and discharge (III) <ul style="list-style-type: none"> ➤ Admission ➤ Prepare Unit for new patient ➤ Prepare admission bed ➤ Performs admission procedure ➤ New patient ➤ Transfer in Prepare patient records ➤ Discharge/Transfer out ➤ Gives discharge counseling ➤ Perform discharge procedure (Planned discharge, LAMA and abscond, Referrals and transfers) ➤ Prepare records of discharge/transfer ➤ Dismantle, and disinfect unit and equipment after discharge/transfer 	Practice in Unit! hospital	<ul style="list-style-type: none"> ➤ Evaluate with checklist ➤ Assessment of clinical performance with rating scale ➤ Completion of Practical record
		<ul style="list-style-type: none"> ➤ Prepares nursing care plan as per the nursing process format 	Perform assessment: <ul style="list-style-type: none"> • History taking, Nursing diagnosis, problem list, Prioritization, Goals & Expected Outcomes, selection of interventions • Write Nursing Care Plan • Gives care as per the plan 	Write nursing process records of patient Simulated - Actual -	<ul style="list-style-type: none"> ➤ Assessment of nursing process records with checklist ➤ Assessment of actual care given with rating scale

Areas	Time (Hrs)	Objectives	Skills	Assignments	Assessment methods
		<ul style="list-style-type: none"> ▪ Communicate effectively with patient, and team members and ▪ Maintain effective human relations ▪ Develops plan for patient teaching ▪ Prepare patient reports ▪ Presents reports ▪ Monitor vital signs ▪ Perform health assessment of each body system 	<p>Communication Use verbal and non verbal communication techniques</p> <p>Prepare a plan for patient teaching session</p> <p>Write patient report</p> <ul style="list-style-type: none"> ▪ Change-of shift reports, ▪ Transfer reports, Incident ▪ reports etc. ▪ Presents patient report <p>Vital signs</p> <ul style="list-style-type: none"> • Measure, Records and interpret alterations in body temperature, pulse respiration and blood pressure <p>Health assessment</p> <ul style="list-style-type: none"> ▪ Health history taking ▪ Perform assessment: <ul style="list-style-type: none"> - General - Body systems ▪ Use various methods of physical examination ▪ Inspection, Palpation, ▪ Percussion, Auscultation, ▪ Olfaction ▪ Identification of system wise deviations 	<ul style="list-style-type: none"> ▪ Role-plays in simulated situations on communication techniques-I ▪ Health talk-I ▪ Write nurses notes and present the patient report of 2-3 assigned patient ▪ Lab practice Measure Vital signs of assigned patient 	<ul style="list-style-type: none"> ➤ Assess role plays with the check-list on comm.-unication techniques ➤ Assess health talk with the checklist ➤ Assessment of communication techniques by rating scale ➤ Assessment of performance with rating scale ➤ Assessment of each skill with checklist ➤ Completion of activity record

Areas	Time (Hrs)	Objectives	Skills	Assignments	Assessment methods
		<ul style="list-style-type: none"> ▪ Provide basic nursing care to patients 	<p>Prepare Patient's unit:</p> <ul style="list-style-type: none"> ▪ Prepare beds: ▪ Open, closed, occupied, ▪ Operation, amputation, ▪ Cardiac, fracture, burn, divided & Fowlers bed ▪ Pain assessment and provision for comfort <p>Use comfort devices</p> <p>Hygienic care:</p> <ul style="list-style-type: none"> ▪ Oral hygiene: ▪ Baths and care of pressure points ▪ Hair wash, Pediculosis treatment <p>Feeding:</p> <ul style="list-style-type: none"> ▪ Oral, Enteral, Naso / Orogastric, gastrostomy and Parenteral feeding ▪ Naso-gastric insertion, suction, and irrigation <p>Assisting patient in urinary elimination</p> <ul style="list-style-type: none"> ▪ Provides urinal/bed pan ▪ Condom drainage ▪ Perineal care ▪ Catheterization ▪ Care of urinary drainage <p>Bladder irrigation</p> <p>Assisting bowel Elimination:</p> <ul style="list-style-type: none"> ▪ Insertion of Flatus tube ▪ Enemas ▪ Insertion of Suppository <p>Bowel wash</p> <p>Body Alignment and Mobility:</p> <ul style="list-style-type: none"> ▪ Range of motion exercises ▪ Positioning: Recumbent, Lateral (rt/lt), Fowlers, Sims, Lithotomy, Prone, Trendelenburg position 	<ul style="list-style-type: none"> ▪ Practice in lab & hospital ▪ Simulated exercise on CPR manikin 	<ul style="list-style-type: none"> ➤ Assessment of each skill with rating scale Completion of activity record

Areas	Time (Hrs)	Objectives	Skills	Assignments	Assessment methods
			<ul style="list-style-type: none"> ▪ Assist patient in Moving, lifting, transferring, walking ▪ Restraints 		
			<p>Oxygen administration</p> <p>Suctioning: oropharyngeal, nasopharyngeal</p> <p>Chest physiotherapy and postural drainage</p> <p>Care of Chest drainage</p> <p>CPR- Basic life support</p> <p>Intravenous therapy</p> <p>Blood and blood component therapy</p> <p>Collect/assist for collection of specimens for investigations Urine, sputum, faeces, vomitus, blood and other body fluids</p> <p>Perform lab tests:</p> <ul style="list-style-type: none"> ▪ Urine: sugar, -albumin, acetone ▪ Blood: sugar (with strip! gluco-meter) <p>Hot and cold applications: local and general Sitz bath</p> <p>Communicating and assisting with self-care of visually & hearing impaired patients</p> <p>Communicating and assisting with self-care</p>		

Areas	Time (Hrs)	Objectives	Skills	Assignments	Assessment methods
			<ul style="list-style-type: none"> ▪ Dressings, Suture Care, care of Drainage, Application of Bandages, Binders, Splints & Slings ▪ Bandaging of various body parts 		
		<ul style="list-style-type: none"> ▪ Administer drugs 	<p>Administration of medications</p> <ul style="list-style-type: none"> ▪ Administer Medications in different forms and routes ▪ Oral, Sublingual and Buccal ▪ Parenteral Intradermal, subcutaneous, Intramuscular etc. ▪ Assist with Intra Venous medications ▪ Drug measurements and dose calculations ▪ Preparation of lotions and solutions ▪ Administers topical applications ▪ Insertion of drug into body cavity: Suppository & medicated packing etc. ▪ Instillation of medicines and spray into Ear, Eye, Nose and throat ▪ Irrigations: Eye, Ear, Bladder, Vagina and Rectum ▪ Inhalations: dry and moist 		
		<ul style="list-style-type: none"> ▪ Provide care to dying and dead ▪ Counsel and support relatives 	<p>Care of dying patient</p> <ul style="list-style-type: none"> ▪ Caring and packing of dead body ▪ Counseling and supporting grieving relatives ▪ Terminal care of the unit 		

PSYCHOLOGY

Placement: First year

Time: Theory - 80 hours

Course Description: This course is designed to assist the students to acquire knowledge of fundamentals of psychology and develop an insight into behaviour of self and others. 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 <ul style="list-style-type: none"> ➤ History and origin of science of psychology ➤ Definitions & Scope of Psychology ➤ Relevance to nursing ➤ Methods of Psychology 	Lecture discussion	<ul style="list-style-type: none"> ➤ Essay type ➤ Short answer
II	7	➤ Explain the biology of Human behaviour	Biology of behaviour <ul style="list-style-type: none"> • Body mind relationship- modulation process in health and illness • Genetics and behaviour: Heredity and environment • Brain and behaviour: Nervous System,, Neurons and synapse, • Association Cortex, Rt and Lt Hemispheres • Psychology of Sensations • Muscular and glandular controls of behaviour • Nature of behaviour of an organism/Integrated_responses 	Lecture discussion	<ul style="list-style-type: none"> ➤ Essay type ➤ Short answers
III	24	➤ Describe various cognitive processes and their applications	Cognitive processes <ul style="list-style-type: none"> • 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 • Memory: Meaning, Types, Nature Factors influencing, Development Theories and methods of memorizing and Forgetting 	Lecture Discussion Psychometric assessment: Practice sessions	<ul style="list-style-type: none"> ➤ Essay type ➤ Short answers

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Thinking: Types and levels, stages of development, Relationship with language and communication Intelligence: Meaning, classification, uses, theories Aptitude: Concept, types, Individual differences and variability Psychometric assessments of cognitive processes Alterations in cognitive processes Applications		
IV	12	➤ Describe motivation, emotions, stress, attitudes and their influence on behaviour	Motivation and Emotional Processes: • Motivation: Meaning, Concepts, Types, Theories, Motives and behaviour, Conflicts and frustration, conflict resolution • Emotions & stress Emotion: Definition, components, Changes in emotions, theories emotional adjustments, emotions in health and illness Stress: stressors, cycle, effect, adaptation & coping • Attitude: Meaning, nature, development, factors affecting, Behaviour and attitudes Attitudinal change • Psychometric assessments of emotions and attitudes • Alterations in emotions Applications	Lecture Discussion Role plays Case Discussion Demonstration	➤ Essay type ➤ Short answers
V	9	Explain the concepts of personality and its influence on behaviour	Personality Definitions, topography, types, Theories Psychometric assessments of personality	Lecture discussion Demonstration	Essay type Short answers

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Alterations in personality Applications		
VI	9	➤ Describe psychology of people during the life cycle	Developmental Psychology <ul style="list-style-type: none"> • Psychology of people at different ages from infancy to old age • Psychology of vulnerable individuals- challenged, women, sick, etc Psychology of groups 	Lecture Discussion Case Discussion	Essay type Short answers
VII	11	Describe the characteristics of Mentally healthy Person Explain ego defence mechanisms	Mental hygiene and mental Health <ul style="list-style-type: none"> • Concepts of mental hygiene and mental health • Characteristics of mentally healthy person • 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	6	Explain the Psychological assessments and role of nurse	Psychological assessment & tests <ul style="list-style-type: none"> • Types, development, Characteristics, Principles, Uses, Interpretations and Role of nurse in psychological assessment 	Lecture Discussion Demonstration Practice sessions	Assessment of practice

MICROBIOLOGY

Placement: First year

Time: Theory - 80 hours (Theory 60+ 20 lab)

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 Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
I	5		➤ Explain concepts and principles of microbiology and their Importance nursing	Introduction: <ul style="list-style-type: none"> • Importance and relevance to nursing • Historical perspective • Concepts and terminology • Principles of microbiology 	➤ Lecture ➤ Discussion	➤ Short answer questions ➤ Objective type
II	14	7	➤ Describe structure, classification morphology and growth of bacteria Identify Micro-organisms	General characteristics of Microbes <ul style="list-style-type: none"> • 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 Microorganisms • Staining techniques, Gram staining, Acid fast staining, Hanging drop preparation • Culture; various medias 	➤ Lecture ➤ Discussion ➤ Demonstration	➤ Short answer questions ➤ Objective type

III	14	2	➤ Describe the methods of infection control Identify the role of nurse in hospital infection	Infection control • Infection: Sources, portals of entry and exit, transmission • Asepsis • Disinfection; Types and methods • Sterilization; Types and Methods	➤ Lecture Discussion ➤ Demonstration ➤ Visits to CSSD ➤ Clinical practice	Short answers ➤ Objective type
			control programme	• Chemotherapy and antibiotics • Standard safety measures • Biomedical waste management • Role of Nurse • Hospital acquired infection • Hospital infection control programme Protocols, collection of samples, preparation of report and status of rate of infection in the unit/hospital, nurse's accountability, continuing education etc.		
IV	16	6	Describe the different disease producing organisms	Pathogenic organisms • Micro-organisms - Cocci — gram positive and gram negative bacilli— gram positive and gram negative Spirochaete 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	➤ Short answer questions ➤ Objective type

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
V	11	5	Explain the concept of immunity, hyper sensitivity and immunization	Immunity <ul style="list-style-type: none"> • Immunity-Types, classification • Antigen and antibody reaction • Hypersensitivity — skin test • Serological tests • Immunoprophylaxis Vaccines & sera -Types & Classification, storage and handling, cold chain Immunization for various diseases -Immunization Schedule	<ul style="list-style-type: none"> ➤ Lecture ➤ Discussion ➤ Demonstration ➤ Clinical practice 	<ul style="list-style-type: none"> ➤ Short answers ➤ Objective type

INTRODUCTION TO COMPUTERS

Placement: First year

Time: Theory - 45 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 Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
I	3		<ul style="list-style-type: none"> ➤ Identify & define various concepts used in computer identify application of computer in nursing 	Introduction: <ul style="list-style-type: none"> • Concepts of Computers • Hardware and software; trends and technology • Application of computers in nursing 	<ul style="list-style-type: none"> ➤ Lecture ➤ Discussion ➤ Demonstration 	<ul style="list-style-type: none"> ➤ Short answers ➤ Objective type
II	10	10	<ul style="list-style-type: none"> ➤ Describe and Use the Disk Operating System ➤ Demonstrate skill in the use of MS Office 	<ul style="list-style-type: none"> • Introduction to disk-operating system DOS c Windows (all version) • Introduction u MS-Word MS-Excel with pictorial presentation o -MS-Access o MS-Power point 	<ul style="list-style-type: none"> ➤ Lecture ➤ Discussion ➤ Demonstration ➤ Practice Session 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type ➤ Practical Exam
III	4	3	<ul style="list-style-type: none"> ➤ Demonstrate skill in using multi-media ➤ Identify features of computer aided teaching and testing 	Multimedia; types & uses Computer aided teaching & testing.	<ul style="list-style-type: none"> ➤ Lecture ➤ Discussion ➤ Demonstration 	<ul style="list-style-type: none"> ➤ Short answers ➤ Objective type ➤ Practical Exam and Viva Voce
IV	1	3	<ul style="list-style-type: none"> ➤ Demonstrate use of internet and Email 	Use of Internet and: e-mail	<ul style="list-style-type: none"> ➤ Lecture ➤ Discussion ➤ Demonstration ➤ Practice Session 	<ul style="list-style-type: none"> ➤ Short answers ➤ Objective type ➤ Practical Exam and Viva Voce
V	4	2	Describe and use the statistical	Statistical packages: types and their features	<ul style="list-style-type: none"> ➤ Lecture ➤ Discussion ➤ Demonstration 	<ul style="list-style-type: none"> ➤ Short answers ➤ Objective

			packages		➤ Practice Session	type ➤ Practical Exam and Viva Voce
VI	3	2	Describe the use of Hospital Management System	Hospital Management System: Types and uses	➤ Lecture ➤ Discussion ➤ Demonstration	➤ Short answer questions ➤ Objective type ➤ Practical Exam and Viva Voce

SOCIOLOGY

Placement: Second year

Theory- 80 Hours

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	1	➤ 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 inter-relationship of individual in society and community	Individual & Society ➤ Society and Community ➤ Nature of Society ➤ Difference between Society and Community ➤ Process of Socialization and individualization ➤ Personal disorganization	➤ Lecture Discussion	➤ Essay type ➤ Short answers
III	5	➤ 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	6	➤ 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,	Lecture Discussion	Essay type Short answers

			Religious groups, Mob, Crowd, Public and Audience Interaction & Social Processes Co-operation, Competition, Conflict Accommodation, Assimilation & Isolation		
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Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
V	8	Explain the growth of population in India and its impact on health	Population <ul style="list-style-type: none"> • 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	7	Describe the institutions of family and marriage in India	Family and Marriage <ul style="list-style-type: none"> • 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	9	Describe the class and caste system and	Social Stratification Meaning & types of social stratification	Lecture Discussion Community survey	Essay type Short answers Assessment of

		their influence on health and health practices	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		report on community survey
VIII	8	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 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: Urban isation and its impact on health and health practices Major Urban problems- Urban Slums Region: Problems and impact on Health	Lecture Discussion Visits to rural and urban community Community survey	Essay type Short answers Assessment of report on community survey
IX	6	Explain the process of Social Change	Social Change • Nature and process of Social Change • Factors influencing Social	Lecture Discussion	Essay type Short answers

			change: cultural change, Cultural lag. • Introduction to Theories of social change: Linear, Cyclical, Marxian, Functional Role of nurse-Change agents		
X	6	Explain the process of Social Change	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 visits	Essay type Short answers Assessment of visit reports
XI	4	Explain the nature and process of social control	Social Control • Nature and process of social control • Political, Legal, Religious, Educational, Economic,	Lecture Discussion Community survey	Essay type Short answers Assessment
			Industrial and Technological systems, Norms & Values- Folkways & Mores Customs, Laws and fashion Role of nurse		of report on community survey
XII	17	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	Lecture Discussion Institutional visits	Essay type Short Answers Assessment of visit reports

			crime, substance abuse, HIV/AIDS. • Social Welfare programmes in India Role of nurse		
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PHARMACOLOGY

Placement: Second year

Theory- 50 Hours

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	8	<ul style="list-style-type: none"> ➤ Describe pharmacodynamics, pharmacokinetics, classification and the principles of drug administration 	<ul style="list-style-type: none"> ➤ 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 	<ul style="list-style-type: none"> ➤ Lecture Discussion 	<ul style="list-style-type: none"> ➤ Short answers ➤ Objective type
II	6	<ul style="list-style-type: none"> ➤ Explain chemotherapy of specific infections and infestations and nurse's responsibilities 	<ul style="list-style-type: none"> ➤ Chemotherapy ➤ Pharmacology of commonly used; ➤ Penicillin ➤ Cephalosporins. ➤ Aminoglycosides ➤ Macrolide & Broad Spectrum Antibiotics ➤ Sulfonamides ➤ Quinolones. ➤ Antiamoebic ➤ Antimalarials ➤ Anthelmintics ➤ Antiscabies agents ➤ Antiviral & anti-fungal agents. ➤ Antitubercular drugs ➤ Anti leprosy drugs ➤ Anticancer drugs ➤ Immuno-suppressants Composition, action, dosage, route, indications, contraindications, drug 	<ul style="list-style-type: none"> ➤ Lecture Discussion ➤ Drug study/presentation 	<ul style="list-style-type: none"> ➤ Short answers ➤ Objective type

			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 <ul style="list-style-type: none"> • 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	2	Describe Drugs acting on Gastro Intestinal system and nurse's responsibilities	Drugs acting on G.I. system <ul style="list-style-type: none"> • Pharmacology of commonly used- <ul style="list-style-type: none"> - Antiemetics, - Emetics - Purgatives - Antacids - Cholinergic - 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	Lecture Discussion Drug study/presentation	•Short answers Objective type
V	2	Describe Drugs used on Respiratory Systems and nurse's responsibilities	Drugs used on Respiratory Systems <ul style="list-style-type: none"> • Pharmacology of commonly used- <ul style="list-style-type: none"> - Antiasthmatics Mucolytics Decongestants Expectorants Antitussives Bronchodilators Broncho constrictors Antihistamines Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of	Lecture Discussion Drug study/presentation	Short answers Objective type

			nurse		
VI	2	Describe Drugs used on Urinary System and nurse's responsibilities	Drugs used on Urinary System Pharmacology of commonly used- Diuretics and antidiuretics Urinary antiseptics Cholinergic and anticholinergics Acidifiers and alkalanizeis Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse	Lecture Discussion Drug study/presentation	Short' answers Objective type
VII	4	Describe Drugs used in De-addiction, emergency, deficiency of vitamins & rminerals, 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 • Immunosuppressant • Antidotes • Antivenom • Vaccines and sera	Lecture Discussion Drug study / presentation	Short answers Objective type
VIII	1	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, Drug study / presentation	Short answers Objective Type

IX	8	Describe Drugs used on Nervous System and nurses responsibilities	<p>Drugs acting on Nervous system Basic & applied pharmacology of commonly used: /)</p> <p>Analgesics and Anaesthetics Analgesics - Non steroidal anti Inflammatory (NSAID) drugs Antipyretics Hypnotics and Sedatives - Opioids - Non-Opioids - Tranquilizers - General I & local anesthetics - Gases: oxygen, nitrous oxide, carbon dioxide Cholinergic and anti-cholinergic: Muscle relaxants Major tranquilizers Anti-psychotics Antidepressants Anticonvulsants. Adrenergics Noradrenergics Mood stabilizers Acetylcholine Stimulants Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse</p>	Lecture Discussion, Drug study / Presentation	Short answers Objective type
X	5	Describe Drugs used on Cardio-vascular System and nurse's responsibilities	<p>Cardiovascular drugs</p> <ul style="list-style-type: none"> • Haematinics • Cardiotonics, • Anti anginals • Anti-hypertensives & Vasodilators • Anti-arrhythmics • Plasma expanders • Coagulants & anticoagulants • Antiplatelets & thrombolytics • Hypolipidemics <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity role of nurse</p>	Lecture Discussion Drug study Presentation	Short answers Objective Type

XI	4	Describe drugs used for hormonal disorders and supplementation, contraception and medical termination of pregnancy and nurse's responsibilities	Drugs used for hormonal disorders and supplementation, contraception and medical termination of pregnancy <ul style="list-style-type: none"> • Insulins & Oral hypoglycemics • Thyroid supplements and suppressants • Steroids, Anabolics • Uterine stimulants and relaxants • Oral contraceptives • Other estrogen-progestrone preparations • Corticotrophine & Gonadotropines • Adrenaline. • Prostaglandins - • Calcitonins • Calcium salts • Calcium regulators Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse	Lecture Discussion Drug study / presentation	Short answers Objective type
XII	6	Demonstrate awareness of the common drugs used in alternative system of medicine	Introduction to Drugs used in alternative systems of medicine: <ul style="list-style-type: none"> • Ayurveda, Homeopathy, Unani and Siddha etc 	Lecture Discussion Observational Visits	Short answers Objective type

PATHOLOGY AND GENETICS

Placement: Second year

Time: Theory — 60 hours

Sectio A- Pathology

(Pathology 40 & Genetics 20 hrs)

Theory - 40 Hours

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 methods
	T	P				
I	5		<ul style="list-style-type: none"> ➤ Define the common terms used in pathology. ➤ Appreciate the deviations from normal to abnormal structure and functions of the body system. 	<p>Introduction</p> <ul style="list-style-type: none"> - Importance of the study of pathology - Definition of terms - Methods and techniques - Cellular and Tissue changes -Infiltration and regeneration - Inflammations and Infections - Wound healing - Vascular changes Cellular growth, Neoplasms - Normal and Cancer cell - Benign and Malignant growths - In situ carcinoma Disturbances of fluid and electrolyte imbalance 	<ul style="list-style-type: none"> ➤ Lecture Discussion ➤ Explain using Charts 	<ul style="list-style-type: none"> ➤ Short answer questions ➤ Objective type
II	14	5	<ul style="list-style-type: none"> ➤ Explain Pathological changes in disease conditions of various systems 	<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 	<ul style="list-style-type: none"> ➤ Lecture Discussion ➤ Explain using Charts, slides, specimen, X-rays and Scans ➤ Visit to Pathology lab, endoscopy unit and OT 	<ul style="list-style-type: none"> ➤ Short answer ➤ Objective type

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
				Bronchial asthma, Chronic obstructive Pulmonary disease & tumours Cardiovascular system Pericardial effusion - Rheumatic heart disease - Infective endocarditis, atherosclerosis - Ischemia, infarction & aneurysm 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 and pancreas, - Cholecystitis - Kidneys & Urinary tract - Glomerulonephritis, pyelonephritis - Calculi, renal failure, renal carcinoma & cystitis - Male genital systems Cryptorchidism testicular atrophy - Prostatic hyperplasia, Carcinoma Penis & prostate • Female genital system. Fibroids Carcinoma cervix and Endometri - Vesicular mole, choriocarcinoma - Ectopic gestation - Ovarian cyst & tumours Cancer Breast		

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
				Central Nervous system Hydrocephalus, Meningitis, encephalitis, Vascular disorders thrombosis, embolism - Stroke, paraplegia, quadriplegia - Tumours, meningiomas gliomas Metastatic tumour skeletal system Bone healing, osteoporosis, osteomyelitis Arthritis & tumours		
III	6	3	Describe various laboratory tests in assessment and monitoring of disease conditions	Clinical pathology Various blood and bone marrow tests in assessment and monitoring of disease conditions Hemoglobin .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 - Other blood tests - Examination of Bone marrow - Methods of collection of blood specimen for various clinical pathology, biochemistry, microbiology tests, inference and normal values	Lecture Discussion Demonstration Visit to Clinical Pathology & Biochemistry lab and Blood bank	Short answers Objective type
IV	4	1	Describe the laboratory tests for examination of body cavity fluids, transudates and exudates	Examination of body cavity fluids, transudates and exudates The laboratory tests used in CSF analysis Examination of other body cavity fluids, transudates and	Lecture Discussion Demonstration	Short answers Objective type

				<p>exudates sputum, wound discharge etc</p> <ul style="list-style-type: none"> • Analysis of gastric and duodenal contents <p>Analysis of semen-sperm count, motility and morphology and their importance in infertility</p> <p>Methods of collection of CSF and other cavity fluids</p> <p>specimen for various clinical pathology, biochemistry, microbiology tests, inference and normal values</p>		
V	1	1	Describe the laboratory tests for examination of Urine and faeces	<p>Urine and faeces</p> <ul style="list-style-type: none"> • Urine - Physical characteristics - Analysis <p>Culture and sensitivity</p> <p>Faeces</p> <p>Characteristics</p> <p>Stool examination: occult blood, ova, parasite and cyst, reducing substance etc.</p> <p>Methods of collection for various tests, inference and normal values</p>	Lecture Discussion Demonstration	Short answers Objective type

Section- B Genetics

Placement: Second

Time: Theory — 20 hours

Course Description: This course is designed to enable students to acquire understanding of Genetics, its role in causation and management of defects and diseases

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	4	Explain nature, principles and perspectives of heredity	<p>Introduction:</p> <ul style="list-style-type: none"> • Practical application of genetics in Nursing • Impact of genetic condition on families • Review of cellular division mitosis and meiosis. • Characteristics and structure of genes • Chromosomes — sex determination • Chromosomal aberrations Patterns of inheritance <p>Mendelian theory of inheritance Multiple alleles and blood groups Sex linked inheritance Mechanism of inheritance Errors in transmission (Mutation)</p>	Lecture Discussion Explain using charts, slides	<ul style="list-style-type: none"> ➤ Short answers ➤ Objective type
II	4	➤ Explain Maternal, prenatal and genetic influences on development of defects and diseases	<p>Maternal, prenatal and genetic influences on development of defects and diseases</p> <ul style="list-style-type: none"> • Conditions affecting the mother: genetic and infections • Consanguinity atopy • Prenatal nutrition and food allergies. • Maternal Age • Maternal drug therapy • Prenatal testing and diagnosis • Effect of Radiation, drugs and chemicals • Infertility • Spontaneous abortion 	Lecture Discussion Explain using charts, slides	<ul style="list-style-type: none"> ➤ Short answers ➤ Objective Type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Neural Tube Defects and the role of folic acid in lowering the risks Down syndrome (Trisomy 21)		
III	3	Explain the screening methods for genetic defects and diseases in neonates and children	Genetic testing in the neonates and children <ul style="list-style-type: none"> • Screening for - Congenital abnormalities - Developmental delay - Dysmorphism 	Lecture Discussion Explain using charts, slides	Short Answers Objective type
IV	3	Identify genetic disorders in adolescents and adults	Genetic conditions of adolescents and adults <ul style="list-style-type: none"> • Cancer genetics — Familial Cancer • Inborn errors of metabolism • Blood group alleles and haematological disorder • Genetic haemochromatosis • Huntington's disease • Mental illness 	Lecture Discussion Explain using charts, slides	Short answers Objective Type
V	6	Describe the role of nurse in genetic services and counselling	Services related to Genetics <ul style="list-style-type: none"> • Genetic testing • Human genome project • Gene therapy • The Eugenics movement • Genetic Counselling Legal and Ethical issues Role of nurse	Lecture Discussion	Short answers Objective Type

MEDICAL SURGICAL NURSING

(ADULT INCLUDING GERIATRICS)-I

Placement: Second year

Theory - 210 Hours
Practical - 800 hours

Course Description: The purpose of this course is to acquire knowledge and develop proficiency in caring for patients with medical and surgical disorders in varieties of health care settings and at home.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	15	<ul style="list-style-type: none"> ➤ Appreciate the trends in medical and surgical nursing. ➤ Describe the role of a nurse in caring for adult patient in hospital and community. ➤ Describe the concepts of Medical Surgical asepsis 	<p>Introduction:</p> <ul style="list-style-type: none"> • Introduction to medical surgical nursing- Evolution and trends of medical and surgical 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 concepts of comprehensive nursing care in medical surgical conditions based on nursing process. • Role of Nurse, patient and family in care of adult patient • Role and responsibilities of a nurse in medical surgical settings: <ul style="list-style-type: none"> - Outpatient department. - In-patient unit - Intensive care unit. - Home and Community settings <p>Introduction to Medical Surgical asepsis</p> <ul style="list-style-type: none"> - Inflammation and Infection 	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Demonstration ➤ Practice session ➤ Supervised clinical practice 	<ul style="list-style-type: none"> ➤ Short answers ➤ Objective Type ➤ Assessment of skills with check list

			- Immunity - Wound healing Care of Surgical Patient		
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Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Pre-operative Intra operative Post Operative		
II	15	Describe the common signs, symptoms, problems and their Specific nursing interventions	Common signs and symptoms and management • Fluid and electrolyte imbalance. Vomitting Dyspnea and cough, respiratory obstruction Fever Shock Unconsciousness, Syncope Pain Incontinence Edema Age related problems-geriatric	Lecture discussion Seminar Case discussion	Short answers Objective Type
III	20	Describe the etiology, patho-physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of respiratory systems	Nursing management of patients (adults including elderly) with respiratory problems • Review of anatomy and physiology of respiratory system, • Nursing Assessment- History and Physical assessment • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of adults including elderly with – Upper Respirator’ that infection Bronchitis Asthma Emphysema Empyema Atelectasis Chronic Obstructive Pulmonary Diseases (COPD) Bronchiectasis	Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Practice session Case discussions/Seminar Health education Supervised clinical practice book /presentation	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem

			Pneumonia		
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Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> • Pulmonary tuberculosis • Lung abscess • Pleural effusion • Cysts and Tumours • Chest injuries • Respiratory arrest and insufficiency • Pulmonary embolism 		
IV	30	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of digestive systems	<p>Nursing management of patient (adults including elderly) with disorders of digestive system</p> <ul style="list-style-type: none"> • Review of anatomy and physiology of digestive system • Nursing Assessment-History and Physical assessment • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management • Disorders of <ul style="list-style-type: none"> • Oral cavity- lips, gums, 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, entritis, malabsorption, obstruction, tumour and perforation • Large intestinal disorders- Colitis, inflammation and infection, obstruction and tumour and lump 	Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Practice session Case discussions/Seminar Health education Supervised clinical practice Drug book /presentation	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Hernias • Appendix-inflammation, mass, abscess, rupture • Anal & Rectum; hemorrhoids, fissures, Fistulas • Peritonitis/acute abdomen Pancreas; inflammation, cyst, abscess and tumours • Liver; inflammation, cyst, abscess, cirrhosis, portal hypertension, hepatic failure, tumours Gall Bladder; inflammation, obstruction, stones and tumours Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of digestive system		
V	30	Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with blood and cardiovascular problems Describes the vascular conditions and its nursing management	Nursing management of patient (adults including elderly) with blood and cardio vascular problems • Review of anatomy and physiology of blood and cardio vascular system, • Nursing Assessment-History and Physical assessment • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of- • Vascular system - Hypertension, Hypotension - Artherio sclerosis - Raynaud's disease - Aneurism and Peripheral vascular disorders Heart • Coronary artery diseases • Ischemic Heart Disease • Cornory atherosclerosis	Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Practice session Case discussions / Seminar Health education Supervised clinical practice Drug book /presentation Visit to blood bank Participation in blood donation camps Counseling	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> • Angina pectoris • Myocardial infarction • Valvular disorders of the heart <ul style="list-style-type: none"> - Congenital and acquired - Rheumatic Heart diseases • Endocarditis, Pericarditis Myocarditis • Cardio Myopathies • Cardiac dysrhythmias, Heart Block • Congestive cardiac failure Cor-pulmonale, pulmonary edema, cardiogenic shock, cardiac tamponade • Cardiac emergencies and arrest • Cardio Pulmonary Resuscitation (CPR) • Blood • Anaemias • Polycythemia • Bleeding disorders; clotting factor defects and platelets defects • Thalassemia • Leukaemias • Leukopenias and agranulocytosis • Lymphomas • Myelomas • Special therapies • Blood transfusion, safety checks, procedure and requirements, management of adverse transfusion reactions, records for blood transfusion. • Management and counselling 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 		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> • Role of a nurse in Organ donation, retrieval and banking Alternative therapies Nursing procedures Drugs used in treatment of blood and cardio vascular disorders		
VI	10	Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of genito-urinary system	Nursing management of patient (adults including elderly) with genito-urinary problems <ul style="list-style-type: none"> • Review of anatomy and physiology of genito-urinary system • Nursing Assessment-History and Physical assessment • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of- <ul style="list-style-type: none"> • Nephritis • Nephrotic syndrome • Nephrosis • Renal calculus • Tumours • Acute renal failure • Chronic renal failure • End stage renal disease • Dialysis, renal transplant • Congenital disorders, urinary infections • Benign prostate hypertrophy. • Disorders of ureter, urinary bladder and urethra inflammation, infection, stricture, obstruction, tumour, prostrate Special therapies, alternative therapies Nursing procedures Drugs used in treatment of genitourinary disorders 	Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Practice session Case discussions/Seminar Health education Supervised clinical practice Drug book /presentation	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem
VII	5	• Describe the etiology, pathophysiology,	Nursing Management of disorders of male(adults including elderly) reproductive system	<ul style="list-style-type: none"> • Lecture discussion • Explain using 	<ul style="list-style-type: none"> • Essay type • Short answers

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of male reproductive system	<ul style="list-style-type: none"> • Review of anatomy and physiology of male reproductive system • Nursing Assessment-History and Physical assessment • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of disorders of male reproductive system • Congenital malformations; Hypospadiasis • A1ospadiasis, Epispadiasis • Infections • Testis and adjacent structures Penis • Prostate: inflammation, infection, hypertrophy, tumour • Sexual Dysfunction Infertility • Contraception • Breast; gynecomastia, tumour • Climacteric changes Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of male reproductive system 	Charts, graphs <ul style="list-style-type: none"> • Models, films, slides • Demonstration • Practice session • Case discussions/Seminar • Health education • Supervised clinical practice • Drug book / presentation 	<ul style="list-style-type: none"> • Objective type • Assessment of skills with check list • Assessment of patient management problem
VIII	10	Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of endocrine system	Nursing management of patient(adults including elderly) with disorders of endocrine system <ul style="list-style-type: none"> • Review of anatomy and physiology of endocrine system • Nursing Assessment-History and Physical assessment • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of- 	<ul style="list-style-type: none"> • Lecture discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussions / Seminar • Health education • Supervised clinical practice 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> • Disorders of Thyroid and Parathyroid • Diabetes mellitus • Diabetes insipidus • Adrenal tumour • Pituitary disorders. Special therapies, alternative' therapies Nursing procedures Drugs used in treatment of disorders of endocrine system		
IX	10	Describe the etiology, patho-physiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of Skin	Nursing management of patient (adults including elderly) with disorders of Integumentary system <ul style="list-style-type: none"> • Review of anatomy and physiology of Skin and its appendages • Nursing Assessment-History and Physical assessment • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of disorders of skin and its appendages – • Lesions and abrasions • Infection and infestations; Dermatitis • Dermatoses; infect mis and Non infectious “inflammatory dermatoses” • Acne Vulgaris • Allergies and Eczema • Psoriasis • Malignant melanoma • Alopecia Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of Integumentary system	<ul style="list-style-type: none"> • Lecture discussion • Explain using Charts. graphs • Models, films, slides • Demonstration • Practice session • Case discussions / Seminar • Health education • Supervised clinical practice • Drug book / presentation 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
X	15	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of musculoskeletal system	<p>Nursing management of patient (adults including elderly) with musculoskeletal problems</p> <ul style="list-style-type: none"> • Review of anatomy and physiology of musculoskeletal system, • Nursing Assessment-History and Physical assessment • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of - • Disorders of: <ul style="list-style-type: none"> • 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 • Paget's disease • Amputation • Prosthesis • Transplant & replacement surgeries • Rehabilitation. • Special therapies, alternative therapies • Nursing procedures • Drugs used in treatment of disorders of musculoskeletal system 	<ul style="list-style-type: none"> • Lecture discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussions/Seminar • Health education • Supervised clinical practice • Drug book /presentation 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment of skills with check list • Assessment of patient management problem
XI	10	Describe the etiology, pathophysiology, clinical manifestations, diagnostic	<p>Nursing management of patient (adults including elderly) with Immunological problems</p> <ul style="list-style-type: none"> • Review of Immune system, • Nursing Assessment-History and Physical assessment 	<ul style="list-style-type: none"> • Lecture discussion • Explain using Charts, graphs • Models, films, slides 	<ul style="list-style-type: none"> • Essay type • Short answers • Objective type • Assessment

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		measures and management of patients (adults including elderly) with disorders of Immunological system	<ul style="list-style-type: none"> • Etiology, Pathophysiology, clinical manifestations, diagnosis. treatment modalities and medical, surgical, dietetics & nursing management of- • Immunodeficiency disorder. • Primary immunodeficiency. • Phagocytic dysfunction B-cell and T-cell deficiencies • Secondary immunodeficiencies Acquired immunodeficiency syndrome (AIDS) • Incidence of HIV & AIDS Epidemiology Transmission-Prevention of Transmission • Standard Safety precautions • Role of Nurse; Counseling • Health education and home care consideration. • National AIDS Control Program - NACO, various national and international agencies • Infection control program • Rehabilitation. Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of immunological system 	Demonstration Practice session Case Discussions/Seminar Health education Supervised clinical practice Drug hook /presentation Orientation visit to Hospital Control system	of skills with check list Assessment of patient management problem
XII	20	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients (adults including elderly) with Communicable Diseases.	Nursing management of patient (adults including elderly) with Communicable Diseases <ul style="list-style-type: none"> • Overview of infectious disease, the infectious process • Nursing Assessment-History and Physical assessment • Epidemiology, infectious process, clinical manifestations, diagnosis, treatment, prevention and dietetics. Control and eradication of common Communicable Diseases 	Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Practice session Case discussions/Seminar Health education	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient Management Problem

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> • Tuberculosis • diarrhoeal diseases hepatitis A - E • herpes • chickenpox • smallpox • typhoid • meningitis • gas gangrene • leprosy. • Dengue • Plague • Malaria • Diphtheria • Pertussis • Poliomyelitis • Measles • Mumps • Influenza • Tetanus • Yellow fever • Filariasis • HIV, AIDS • Reproductive Tract Infections • Special infection control measures: Notification, Isolation, Quarantine, Immunization, Infectious Disease Hospitals Special therapies, alternative therapies Nursing procedures Drugs used in treatment of Communicable diseases 	Supervised clinical practice Drug book /presentation	problem
XIII	25	Describe the Organization and physical set up of operation theatre Identify the various instruments and equipments used for	Pen operative nursing: <ul style="list-style-type: none"> • 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. 	Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Practice session Supervised clinical practice Drug book /presentation	Essay type Short answers Objective type Assessment of skills with check list

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		used for common surgical procedures Describe the infection control measures in the Operation theatre Describe the role of the nurse in the Pen Operative nursing care	<ul style="list-style-type: none"> • Instruments, • Sutures and suture materials • Equipments • O.T. tables and sets for common surgical procedures • Positions and draping for common surgical procedures • Scrubbing procedures • Gowning and gloving • Preparation of O.T. Sets • 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 <ul style="list-style-type: none"> • Prevention of accidents and hazards in O.T • Anaesthesia • Types • Methods of administration Effects and Stages <ul style="list-style-type: none"> • Equipments • Drugs • Cardio Pulmonary Resuscitation (CPR) • Pain management techniques • Legal Aspects 		

Medical Surgical Nursing

Recommended Books:

- 1.) Smeltzer – Brunner & Suddharth Textbook of Medical Surgical Nursing, 2010,LWW
- 2.) Black – Medical Surgical Nursing,2009,Elsevier
- 3.) Nettina – Lippincott manual of Nursing Practice,2009,LWW
- 4.) Lewis – Medical Surgical Nursing,2008,Elsevier

Reference Books:

- 1.) Davidson’s Principles & Practice of Medicine, 2010, Elsevier
- 2.) Bailey & Love Short Practice of Surgery,2008,Hodder Arnold

- 3.) Timby – Introductory Medical Surgical Nursing, 2009,WK
- 4.) Das – Textbook of Surgery, SD Publishers
- 5.) Woods – Cardiac Nursing ,2010,LWW
- 6.) Hickey – Neurologic & Neurosurgical Nursing,2009,LWW
- 7.) Morton – Critical Care Nursing,2009,LWW
- 8.) Thelan’s Critical care Nursing,2008,Elsevier
- 9.) Spring House – Medical Surgical Nursing Made Incredibly Easy,2008,LWW
- 10)Gulanick – Nursing care Plans,2008,Elsevier
- 11)Carpenito – Nursing Care Plans & Documentation,2009.LWW
- 12)Carpenito – Nursing Diagnosis ,2009,LWW
- 13) Webber – Health assessment In Nursing ,2010,WK

Medical Surgical Nursing (Adult including Geriatrics) - I Practical

Placement: Second year

Time: 800 hours

Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
General Medical Ward (Respiratory, GI, Endocrine, Renal, Hematology)	6	Provide nursing care to adult patients with medical disorders Counsel and educate patients and families	<ul style="list-style-type: none"> • 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 canulation Maintenance and monitoring • Oxygen therapy by different methods • Nebulization • Chest physio therapy • Naso gastric feeding • Assist in common diagnostic • Perform Assist in therapeutic procedures • Blood and component therapy • Throat Suctioning • Collect specimens for common investigations. Maintain elimination Catheterisation Bowel wash 	Plan and give care to 3-4 assigned patients Nursing care plan-2 Nursing case study! presentation-I Drug presentation- I 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.

Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
			Enema Urinary drainage • Maintain Intake, output and documentation • Counsel and teach related to specific disease conditions		
General Surgical Ward (GI, Urinary, CTVS)	6	<ul style="list-style-type: none"> ➤ Provide pre and post operative nursing care to adult patients with surgical disorders ➤ Counsel and educate patients and families 	<ul style="list-style-type: none"> • 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 case study! presentation - 1 Maintain drug book	Assess performance with rating scale Assess each skill with checklist Evaluation of case study! presentation Completion of activity record.
Cardiology ward	4	Provide nursing care to patients with cardiac disorders Counsel and educate patients and families	Physical examination of the cardio vascular system Recording and interpreting ECG Monitoring of patients Preparation and assisting in non-invasive and invasive diagnostic procedures. Administer cardiac drugs Cardio pulmonary Resuscitation	Plan and give care to 2-3 assigned patients Nursing care plan - 1 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 health talk

Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
			.Teach patients and families Practice medical and surgical asepsis Standard safety measures		Completion of activity record
Skin & Communicable diseases Ward	1	Identify 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 - Standard safety measures Use of personal protective equipment (PPE) Give Medicated baths Counseling HIV positive patients Teach prevention of infectious diseases.	Plan and give care to 2-3 assigned patients Health talk Counseling HIV positive patients and families -1 Maintain drug book	Assess performance with rating scale Evaluation health talk/Counseling session Completion of activity 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	Plan and give care to 2-3 assigned patients Nursing care plan—I Nursing case study! presentation - 1 Maintain drug book	Assess performance with rating scale Evaluation of Nursing care plan and Nursing case study! presentation Completion of activity record

			Ambulation Teach and counsel patients and families		
Operation Theatre	6	Identify instruments used in common operations 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 per operative nursing care	Scrubbing, gowning, gloving Identify instruments, suturing materials for common operations Disinfection, Carbolization, fumigation Preparation of instrument sets for common operations Sterilization of sharps and other instruments Prepare the OT table depending upon the operation Positioning and monitoring of patients Endotracheal intubation Assisting in minor and major operations. Handling specimens Disposal of waste as per the guidelines	Assist as a circulatory nurse in Major cases — 10 Minor cases-5 Assist as a scrub nurse in Major cases- 10 Minor cases-5. Maintain drug book	Assess performance with rating scale Completion of activity record

Internship

ICU, CCU, CARDI AC OT.	2	To gain proficiency in ICU nursing Develop advance skill in special procedures used in critical care unit. Identifi potential probiems and	Assist in arterial puncture for bloOd gas analysis. Perform ECG and interpret accordingly. Conduct and analysis pulse oximetry. Care with artificial airway. Assist in endotracheal intubation. Setting up ventilator, Giving care in ventilator.	Arterial puncture-5 Taking out ECG stripe-5 Tracheal suction-5 For all assigned patients. Oxygen administration by CPAP mask and use Ambu bag. Assessment	Record hook. Checking with supervisor.
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		provide accordingly. Skill in setting and handling ventilator		for all assigned	
		Administer injection in infusion pump. Record accurately findings and medications. Develop IPR with family members. Acquaint with OT technique.	Drug sheet. Observation of special procedure in OT.	patients. Nursing care ventilator. Drug sheet.	
Neuro ICU, ITU, OT	2	Develop skill in neurological assessment: Give care to the Pt with head injury and spinal injury. Care with chest surgery and Cranial surgery.	Assess neurological status. Implement care to head injury spinal injury patients. Drug sheet. Pre and postoperative care with neuro surgery patients.	Assessment for all assigned patients. Nursing care plan-2 Drug sheet	Record book Observation Checklist
Burns and plastic Reconstructive surgery	2	Assess the severity of burns. Administer rehydration therapy. Observe reconstructive surgery.	Nursing care		
OT Lapro-ScopiC Orthopaedic Eye ENT	3	Identify instruments Assist in OT set Up Supervise sterilization. Assist in OT table lay out. Observe		Assist —5 cases.	Record book.

		immediately after operation. Supervise infection control.			
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Community Health Nursing - I

Placement: Second year

Theory - 100 Hours

Practical -160 hours

Course description: This course is designed for students to appreciate the principles of promotion and maintenance of health

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	2	➤ Describe concept and dimensions of health	Introduction • community health nursing definition, concept and dimensions of health e' motion of health • Maintenance of health	➤ Lecture discussion	➤ Short answers
II	20	➤ Describe determinants of health	Determinants of health • Eugenics • Environment: Physical: Air, light, ventilation, Water, Housing, Sanitation; disposal of waste disposal of dead bodies, Forestation, Noise, Climate, communication infrastructure facilities arid Linkages Acts regulating the environment: National Pollution control board Bacterial & viral: Agents, host carriers and immunity Arthropods and Rodents , Food hygiene: Production, Preservation, Purchase, preparation, consumption Acts regulating food hygiene- Prevention of food adulteration act, Drugs and cosmetic act Sociocultural Customs, taboos "Marriage system family structure of Status of special	➤ Lecture discussion ➤ Explain using Charts, graphs, Models, films, slides ➤ Visits to water supply, sewage disposal milk plant house etc	➤ Essay type ➤ Short answers ➤ Objective type

			groups; Females, Children, Elderly, challenged groups and Sick persons Life Style		
			Hygiene Physical activity o Recreation and sleep Sexual life o Spiritual life philosophy u Sell' reliance U Dietary pattern o Education C Occupation Financial Management U Income U Budget C Purchasing power C Security		
III	13	Describe concept, scope, uses methods and approaches of epidemiology	Epidemiology Definition<concept, aims, scope,uses and terminology used in epidemiology Dynamics of disease transmission: epidemiological triad 17 . Morbidity and mortality: measurements Levels of prevention Methods of epidemiology of o Descriptive Analytical: Epidemic investigation o Experimental	Lecture discussion Explain using Charts, graphs Models, films, slides	Essay type Short answers
IV	30	Describe Epidemiology and nursing: management of common Communicabi Diseases	Epidemiology and nursing management of common Communicable Diseases ❖ Respiratory infections Small Pox <ul style="list-style-type: none"> • Chicken Pox • Measles • influenza • Rubella • ARI's & Pneumonia • Mumps • Whooping cough • Meningococcal meningitis u. • Tuberculosis • SARS 	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 Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Intestinal Infections Poliomyelitis Viral Hepatitis Cholera Diarrhoeal diseases Typhoid Fever Food poisoning Amoebiasis Hook worm infection Ascariasis Dracunculiasis Arthropod infections Dengue Malaria Filariasis Zoonoses Viral Rabies Yellow fever Japanese encephalitis <ul style="list-style-type: none"> ❖ Kyasnur Forest Disease ❖ Bacterial ❖ Brucellosis ❖ Plague ❖ Human Salmonellosis ❖ Anthrax ❖ Leptospirosis ❖ Rickettsial diseases ❖ U Rickettsial Zoonoses ❖ Scrub typhus ❖ Murine typhus. ❖ Tick typhus ❖ fever ❖ Parasitic zoonoses ❖ Taeniasis ❖ Hydatid disease ❖ Leishmaniasis ❖ Surface infection ❖ Trachoma ❖ Tetanus ❖ Leprosy ❖ STD & RTI ❖ Yaws ❖ HIV/AIDS ❖ Any other 		

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
V	12	Describe Epidemiology and nursing management of common Non communicable diseases	Epidemiology and Nursing management of Non communicable diseases Malnutrition: under nutrition, over nutrition, nutritional deficiencies Anaemia Hypertension Stroke Rheumatic.Heart Disease Coronary Heart Disease Cancer Diabetes mellitus Blindness Accidents Mental illness Obesity Iodine Deficiency Fluorosis Epilepsy	Seminar Supervised field practice-health centers, clinics and homes Group projects! Health education Lecture discussion. Explain using Charts, graphs Models, films, slides	Essay type Short answers Objective type
VI	6	Describe the concepts and scope of demography Describe methods of data collection, analysis and interpretation' of demographic data	Demography • Definition, concept and scope • Methods of collection, analysis and interpretation of demographic data • Demographic rates and ratios	Lecture discussion Community identification survey	Essay type Short answers Objective type Assessment of Survey report
VII	17	Identify the impact of population explosion in India Describe methods of population control	Population and its control • Population explosion and its impact on social, economic development of individual, society ad country • Population control: Overall development: Women empowerment, social, economic and educational development	Lecture discussion Population survey Counseling Demonstration Practice session Supervised field practice	Essay type Short answers Objective type Assessment of Survey report

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			-Limiting family size: Promotion of small family norm Methods: spacing (natural, biological, chemical, mechanical methods etc) Terminal: surgical methods Emergency contraception		

Community Health Nursing I – Practical

Placement: Second year

Time: 160 hours

Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
Community health nursing	2 wks urban and 3 wks rural	<ul style="list-style-type: none"> • Build and Maintain rapport • Identify demographic characteristics, health determinants and community health resources • Diagnose health needs of individual and families • Provide primary care in health centre • Counsel and educate individual, family and community 	<ul style="list-style-type: none"> • Use Techniques of interpersonal relationship • Identification of health determinants of community • History taking • Physical examination • Collect specimens- sputum, malaria smear • Perform simple lab tests at centre- blood for Haemoglobin and sugar, urine for albumin and sugar • Administer vaccines and medications to adults • Counsel and teach individual, family and community <ul style="list-style-type: none"> ➢ Nutrition ➢ Hygiene ➢ Self health monitoring ➢ Seeking health 	<ul style="list-style-type: none"> • To work with 2 assigned families each in urban and rural / • Family Study • Observation report of community -I • Health talks 2 (1 in urban and in rural) 	<ul style="list-style-type: none"> • Assess clinical performance with rating scale • Assess each skill with checklist • Evaluation of family study, observation report and health talk • Completion of activity record.

			services > Healthy life style > Family welfare methods > Health promotion		
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Communication & Educational Technology

Placement: Second year

Theory - 100 Hours

Course Description: This course is designed to help the students acquire an understanding of the principles and methods of communication and teaching. It helps to develop skill in communicating effectively, maintaining effective interpersonal relations, teaching individuals and groups in clinical, community health and educational settings.

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
I	6		> Describe the communication process identify techniques of effective communication	Review of Communication Process Process; elements And channel Facilitators Barriers and methods of overcoming Techniques	> Lecture Discussion > Role plays > Exercises with audio/video tapes	> Respond to critical incidents > Short answers > Objective type
II	6		> Establish effective inter-personal relations with patients, families & co-workers	Interpersonal relations Purpose & types Phases Barriers & methods of overcoming Johari Window	> Lecture Discussion > Role Plays > Exercises with audio/video tapes > Process recording	> Short Answer > Objective type
III	6		> Develop effective human relations in context of nursing	Human relations • Understanding self • Social behaviour, motivation, social attitudes • Individual and groups • Groups & individual • Human relations in context of nursing • Group dynamics Team work	> Lecture Discussion > Sociometry > Group games > Psychometric exercise followed by discussion	> Short Answer > Objective type > Respond to test based on critical incidents

IV	12	5	➤ Develop basic skill of counselling and guidance	Guidance & counselling Definition Purpose, scope and need Basic principles Organization of counselling services Types of counselling approaches Role and preparation of counselor Issues for counseling in nursing: students and practitioners Counselling process — steps & techniques, tools of counselor Managing disciplinary problems Management of crisis & referral	➤ Lecture Discussion ➤ Role play on counselling in different situations followed by discussion	➤ Short Answer ➤ Objective type ➤ Assess performance in role play situations
V	6		Describe the philosophy & principles of Education Explain the teaching learning process	Principles of education & teaching learning process • Education: meaning, philosophy, aims, functions & principles • Nature and Characteristics of learn • Principles and maxims of teaching, • Formulating objectives; general and specific • Lesson planning • Classroom management	Lecture. Discussion Prepare lesson plan Micro teaching Exercise on writing Objectives	Short Answer Objective type Assess lesson plans & teaching sessions
VI	11	10	Demonstrate teaching skill using various teaching.	Methods of teaching Lecture, demonstration, group discussion,	Lecture Discussion Conduct 5 teaching sessions	Short Answer Objective type Assess teaching sessions

			methods in clinical, classroom and community settings	seminar symposium, panel discussion, role play, project, field trip, workshop, exhibition, programmed instruction, computer assisted learning, micro teaching problem based learning, Self instructional module and simulation etc. • Clinical teaching methods: case method, nursing round & reports, bedside clinic, conference (individual & group) process recording	using different methods & media	
VII	11	8	Prepare and use different types of educational media effectively	Educational media Purposes & types of A.V. Aids, principles and sources etc. Graphic aids: chalk board, chart, graph, poster, flash cards, flannel graph, bulletin, cartoon Three dimensional aids: objects, specimens, models, puppets • -Printed aids: pamphlets & leaflets Projected aids: slides, overhead projector, films, TV, VCR/VCD, camera, microscope, LCD • Audio aids: tape recorder, public address system •Computer	Lecture Discussion Demonstration Prepare different teaching aids — projected & non projected	Short Answer Objective type Assess the teaching aids prepared
VIII	6	7	Prepare different types of questions for assessment of knowledge, skills and attitudes	Assessment Purpose & scope of evaluation & assessment Criteria for selection of assessment	Lecture Discussion Exercise on writing different types of assessment tools	Short Answer Objective type Assess the strateies. used practe teaching sessions and exercise sessions

				<p>techniques and methods</p> <p>Assessment of knowledge: essay type questions, Short answer questions (SAQ). Multiple choice questions (MCQ)</p> <p>Assessment of skills: observation checklist, practical exam, Viva, Objective structured clinical examination (OSCE)</p> <p>Assessment of Attitudes: Attitude scales</p>		
IX	6		Teach individuals groups and communities about health	<p>Information, Education & communication for health (IEC)</p> <ul style="list-style-type: none"> o Health behaviour & health education 	Lecture Discussion Plan & conduct health education, sessions for	Short Answer Objective type Assess the
			with their active participation	<p>Planning for health education</p> <p>Health education with individuals, groups & communities</p> <p>Communicating health messages</p> <p>Methods & media for communicating health messages</p> <p>Using mass media</p>	individuals, group & communities	planning & conduct of the educational session

Nursing Education

Recommended Books:

- 1.) Sankar Narayanan – Education & Communication Technology, 2007, Brainfill
- 2.) Young – Teaching Nursing, 2008, LWW
- 3.) Neeraja – Nursing Education, 2008, Jaypee

Reference Books:-

- 1.) Bosek – Ethical Component of Nursing Education , LWW
- 2.) Mariner – Teaching Nursing ,2008,Elsevier
- 3.) Smith - The Legal, Professional and Ethical Dimensions of Higher Education,Kluwer
- 4.) Keating – Curriculum Development in Nursing ,WoltersKluwer

Medical Surgical Nursing (Adult including Geriatrics) II

Placement: Third year

**Time: Theory - 120 hours
Practical - 300hours**

Course Description: The purpose of this course is to acquire knowledge and develop proficiency in caring for patients with medical and surgical disorders in varieties of health care settings and at home.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	15	<ul style="list-style-type: none"> ➤ Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients with disorders of Ear Nose and Throat 	<ul style="list-style-type: none"> ➤ 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 manifestations, 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 — Common cold, sinusitis, ethinitis, rhinitis, pharyngitis, tonsillitis and adenoiditis, peritonsillar abscess, laryngitis ➤ Upper respiratory airway — epistaxis, ➤ Nasal obstruction, laryngeal obstruction, cancer of the larynx ➤ Cancer of the oral cavity 	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Explain using Charts, graphs ➤ Models, films, slides ➤ Demonstration ➤ Practice session ➤ Case discussions / Seminar ➤ Health education ➤ Supervised clinical practice ➤ Drug book /presentation 	<ul style="list-style-type: none"> ➤ Essay type ➤ Short answers ➤ Objective type ➤ Assessment of skills with check list ➤ Assessment of patient management problem
			<ul style="list-style-type: none"> ➤ Speech defects and speech therapy ➤ Deafness - ➤ Prevention, control and 		

			<ul style="list-style-type: none"> rehabilitation ➤ Hearing Aids, implanted hearing devices ➤ Special therapies nursing procedures Drugs used in treatment of disorders of Ear Nose and Throat Role of nurse Communicating with hearing impaired and muteness. 		
II	15	Describe the etiology, path physiology, clinical manifestations diagnostic measures and management of patients with disorders of eye.	<ul style="list-style-type: none"> ➤ Nursing management of patient with disorders of eye ➤ Review of anatomy and physiology of the eye- ➤ Nursing Assessment-History and Physical assessment ➤ Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of eye disorders: ➤ Refractive errors ➤ Eyelids-infection, tumours and deformities ➤ Conjunctiva- inflammation and infection, bleeding ➤ o Cornea- inflammation and infection ➤ Lens-Cataracts ➤ Glaucoma ➤ Disorder of the urinary tract, ➤ Ocular tumours ➤ Disorders of posterior chamber and retina: Retinal and vitreous problems. ➤ U Retinal detachment ➤ Ocular emergencies and their prevention ➤ Blindness ➤ National blindness control.program Eye Banking ➤ Eye prostheses and Rehabilitation 	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Explain using Charts, graphs ➤ Models, films, slides ➤ Demonstration ➤ Practice session ➤ Case discussions / Seminar ➤ Health education ➤ Supervised clinical practice ➤ Drug book /presentation ➤ Visit to eye bank ➤ Participation in eye-camps 	<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>
			<p>Role of a nurse- Communication with visually impaired Patient, Eye camps</p> <p>Special therapies</p> <p>Nursing procedures</p> <p>Drugs used in treatment of disorders of eye</p>		
III	16	Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and nursing	<p>Nursing management of patient with neurological disorders</p> <ul style="list-style-type: none"> • Review of anatomy and physiology of the neurological system • Nursing Assessment-History and Physical and neurological assessment and Glasgow coma 	<ul style="list-style-type: none"> • Lecture discussion • Explain using Charts, graphs • Models, films, slides • Demonstration • Practice session • Case discussions / Seminar 	<p>Essay type</p> <p>Short answer</p> <p>Objective type</p> <p>Assessment of skills with check</p>

		<p>management of patients with neurological disorders</p>	<p>scale</p> <ul style="list-style-type: none"> • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of neurological disorders • Congenital malformations <p>Headache Head Injuries Spinal Injuries: Paraplegia Hemiplegia - Quadraplegia Spinal cord compression-herniation of intervertebral disc Tumors of the brain & spinal cord Intra cranial and cerebral aneurysms Infections: - Meningitis, Encephalitis, Brain abscess, neurocysticercosis Movement disorders - Chorea - Seizures - Epilepsies Cerebro Vascular Accidents (CVA) Cranial, Spinal Neuropathies — Bell's palsy, trigeminal neuralgia Peripheral Neuropathies; GuillainBarr'e Syndrome Myasthenia gravis Multiple sclerosis Degenerative diseases</p>	<ul style="list-style-type: none"> • Health education • Supervised clinical practice • Drug book / presentation • Visit to rehabilitation centre.0 	<p>list Assessment of patient management problem</p>
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Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Delirium - Dementia - Alzheimer's disease - Parkinson's disease • Management of unconscious patients and patients with stroke • Role of the nurse in communicating with patient having neurological deficit • Rehabilitation of patients with neurological deficit Role of nurse in long stay facility (institutions) and at home Special therapies Nursing procedures Drugs used in treatment of neurological disorders		
IV	16	Describe the etiology, pathophysiology, clinical manifestations diagnostic measures and nursing management of patients with disorders of female reproductive system Describe concepts of reproductive health and family welfare programme	Nursing management of patients with disorders of female reproductive system Review of anatomy and physiology of the female reproductive system Nursing Assessment-History and Physical assessment Breast Self Examination Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management disorder of female reproductive system Congenital abnormalities of female reproductive system Sexuality and Reproductive Health Sexual Health Assessment Menstrual Disorders; Dysmenorrhea, Amenorrhea, Premenstrual Syndrome Abnormal Uterine Bleeding; Menorrhagia, Metrorrhagia Pelvic Inflammatory Disease- Ovarian and fallopian tube disorders; infections, cysts, tumours Uterine and cervical disorders; Endometriosis, polyps, Fibroids, Cervical and uterine tumours,	Practice session Case Discussions / Seminar Health education Supervised clinical practice Drug book /presentation Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			uterine displacement, Cystocele/Urethrocele/Rectocele • Vaginal disorders; Infections and Discharges, Fistulas • Vulvar disorders; Infections, cysts, tumours • Diseases of breasts; Deformities, Infections, Cysts and Tumours • Menopause and Hormonal Replacement Therapy • Infertility • Contraception; Types Methods, Risk and effectiveness Spacing Methods - Barrier methods, Intra Uterine Devices, Hormonal, Post Conceptional Methods, Terminal methods - Sterilization • Emergency Contraception methods • Abortion -Natural, Medical and surgical abortion - MTP Act • Toxic Shock Syndrome • Injuries and Trauma; Sexual violence Special therapies Nursing procedures Drugs used in treatment of gynaecological disorders National family welfare programme etc		
V	10	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and nursing management of patients with Burns, reconstructive and cosmetic surgery	Nursing management of patients with Burns, reconstructive and cosmetic surgery • Review of anatomy and physiology of the skin and connective tissues and various deformities • Nursing Assessment-History and Physical assessment and Assessment of burns and fluid and electrolyte loss • Etiology, Classification, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical	Lecture discussion Explain using •Charts, graphs Models, films, slides Demonstration Practice session Case discussions! Seminar Health education Supervised clinical practice	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			nursing management of Burns and Re-constructive and Cosmetic surgery; <ul style="list-style-type: none"> Types of Re-constructive and Cosmetic surgery; for burns, congenital deformities, injuries and cosmetic purposes Role of Nurse Legal aspects Rehabilitation Special therapies Q Psycho social aspects Nursing procedures Drugs used in treatment of Bums, reconstructive and cosmetic surgery	Drug book /presentation	
VI	10	Describe the etiology, patho physiology, clinical manifestations, diagnostic measures and nursing management of patients with oncology	Nursing management of patients with oncological conditions <ul style="list-style-type: none"> Structure & characteristics of normal & cancer cells Nursing Assessment-History and Physical assessment Prevention, Screening, Early detection, Warning signs of cancer Epidemiology, Etiology, Classification, Pathophysiology, Staging, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of oncological conditions Common malignancies of various body systems; Oral, larynx, lung, Stomach and Colon, Liver, Leukemias and lymphomas, Breast, Cervix, Ovary, Uterus, Sarcoma, Brain, Renal, Bladder, Prostate etc Oncological emergencies Modalities of treatment Immunotherapy c Chemotherapy Radiotherapy c Surgical Interventions Stem cell and Bone marrow transplants Gene therapy 	Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Practice session Case Discussions / Seminar Health education Supervised clinical practice Drug book /presentation	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problem

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Other forms of treatment <ul style="list-style-type: none"> • Psychosocial aspects of cancer. • Rehabilitation • Palliative care Symptom and Pain Management, Nutritional support • Home care • Hospice care • Stoma Therapy • Special therapies Psycho social aspects <ul style="list-style-type: none"> • Nursing procedures 		
VII	10	Describe organization of emergency and disaster care services Describe the role of nurse in disaster management Describe the role of nurse in management of common Emergencies	Nursing management of patient in EMERGENCY & DISASTER situations Disaster Nursing: Concepts and principles of Disaster Nursing Causes and Types of Disaster: Natural and Man-made Earthquakes, Floods, Epidemics, Cyclones - Fire, Explosion, Accidents Violence, Terrorism; bio-chemical, 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-Government. organizations and International agencies Role of nurse: working Legal Aspects of Disaster Nursing Impact on Health and after effects; Post Traumatic Stress Disorder Rehabilitation; physical, psychosocial, Financial, Relocation Emergency Nursing Concept, priorities, principles and Scope of emergency nursing	Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Practice session Case discussions / Seminar education Supervised clinical practice Disaster management Drills Drug book /presentation	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient Management problem

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Organization of emergency services: physical setup, staffing, equipment and supplies, protocols, Concepts of triage and role of triage nurse Coordination and involvement of different departments and facilities Nursing Assessment-History and Physical assessment Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of patient with medical and surgical Emergency Principles of emergency management Common Emergencies; Respiratory Emergencies Cardiac Emergencies Shock and Haemorrhage Pain Poly-Trauma, road accidents, crush injuries, wound Bites Poisoning; Food, Gas, Drugs & chemical poisoning Seizures Thermal Emergencies; Heat stroke & Cold injuries Pediatric Emergencies Psychiatric Emergencies Obstetrical Emergencies Violence, Abuse, Sexual assault Cardio Pulmonary Resuscitation Crisis Intervention Role of the nurse; Communication and Inter Personal Relations •Medico-Legal Aspects		
VIII	10	Explain the concept and problems of aging	Nursing care of the elderly • Nursing Assessment-History and Physical assessment • Ageing; • Demography; Myths and realities • Concepts and theories of ageing	Lecture discussion Explain using Charts, graphs Models, films, slides	Essay type Short answers Objective type Assessment

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		Describe nursing care of the elderly	Cognitive Aspects of Ageing Normal biological ageing Age related body systems changes Psychosocial Aspects of Aging Medications and elderly Stress & coping in older adults Common Health Problems & Nursing Management; Cardiovascular, Respiratory, Musculoskeletal, Endocrine, genito-urinary, gastrointestinal Neurological, Skin and other Sensory organs Psychosocial and Sexual Abuse of elderly Role of nurse for care of elderly: ambulation, nutritional, communicational, psychosocial and spiritual Role of nurse for caregivers of elderly Role of family and formal and non formal caregivers Use of aids and prosthesis (hearing aids, dentures, Legal & Ethical Issues Provisions and Programmes for elderly; privileges, Community Programs and health services; Home and institutional care	Demonstration Practice session Case discussions/Seminar Health education Supervised clinical practice Drug book /presentation Visit to old age home	of skills with check list Assessment of patient management problem
IX	10	Describe organization of critical care units Describe the role of nurse in management of patients critical care units	Nursing management of patient in critical care units <ul style="list-style-type: none"> • Nursing Assessment-History and Physical assessment • Classification • Principles of critical care nursing • Organization; Physical setup, Policies, staffing norms, • Protocols, equipment and supplies • Special equipments; ventilators, cardiac monitors, defibrillators, • Resuscitation equipments • Infection Control Protocols 	Lecture discussion Explain using Charts, graphs Models, films, slides Demonstration Role plays Counseling Practice session Case discussions/ Seminar	Assessment of patient management problem Essay type Short answers Objective type Assessment of skills with check list

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Nursing management of critically ill patient; Monitoring of critically ill patient CPR-Advance Cardiac Life support Treatments and procedures. Transitional care Ethical and Legal Aspects Communication with patient and family Intensive care records Crisis Intervention Death and Dying-coping with Drugs used in critical	Health education Supervised clinical practice Drug book / presentation	
X	8	Describe the etiology, pathophysiology, clinical manifestations, assessment, diagnostic measures and management of patients with occupational and industrial health disorder	Nursing management of patients adults including elderly with Occupational and Industrial Disorders Nursing Assessment-History and Physical assessment Etiology, Pathophysiology, clinical manifestations, diagnosis, diagnosis, treatment modalities and medical & surgical nursing management of occupational and industrial health disorders Role of nurse Special therapies, alternative therapies Nursing procedures Drugs used in treatment of Occupational and Industrial disorders		

Medical Surgical Nursing

Recommended Books:

- 5.) Smeltzer – Brunner & Suddharth Textbook of Medical Surgical Nursing, 2010,LWW
- 6.) Black – Medical Surgical Nursing,2009,Elsevier
- 7.) Nettina – Lippincott manual of Nursing Practice,2009,LWW
- 8.) Lewis – Medical Surgical Nursing,2008,Elsevier

Reference Books:

- 10.) Davidson's Principles & Practice of Medicine, 2010, Elsevier
- 11.) Bailey & Love Short Practice of Surgery,2008,Hodder Arnold
- 12.) Timby – Introductory Medical Surgical Nursing, 2009,WK
- 13.) Das – Textbook of Surgery, SD Publishers
- 14.) Woods – Cardiac Nursing ,2010,LWW
- 15.) Hickey – Neurologic & Neurosurgical Nursing,2009,LWW
- 16.) Morton – Critical Care Nursing,2009,LWW
- 17.) Thelan's Critical care Nursing,2008,Elsevier
- 18.) Spring House – Medical Surgical Nursing Made Incredibly Easy,2008,LWW
- 10)Gulanick – Nursing care Plans,2008,Elsevier
- 11)Carpenito – Nursing Care Plans & Documentation,2009.LWW
- 12)Carpenito – Nursing Diagnosis ,2009,LWW
- 13) Webber – Health assessment In Nursing ,2010,WK

Medical Surgical Nursing (Adult including Geriatrics) - II Practical

Placement: Third Year

**Time: Theory- 120hrs
Practical - 300 hrs
Internship- 430 hrs**

Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
ENT	1	Provide care to patients with ENT disorders Counsel and educate patient and families	Perform examination of ear, nose and throat Assist with diagnostic procedures Assist with therapeutic procedures Instillation of drops Perform/assist with irrigations. Apply ear bandage Perform tracheotomy care Teach patients and families	Provide care to 2-3 assigned patients Nursing care plan — 1 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 procedures Assist with therapeutic procedures Perform/assist with Irrigations. Apply eye bandage Apply eye drops! ointments Assist with foreign body removal. Teach patients and families	Provide care to 2-3 assigned patients Nursing care plan — 1 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

Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
Neurology	2	Provide care to patients with neurological disorders. Counsel and educate patient and families	Perform Neurological Examination Use Glasgow coma scale Assist with diagnostic procedures Assist with therapeutic procedures Teach patients & families Participate in rehabilitation program	Provide care to assigned 2-patients with neurological disorders. Case study/Case presentation-Maintains drug book Health Teaching- I	Assess each skill with checklist Assess performance with rating scale 3. Evaluation of case study & health teaching Completion of activity record
Gynecology ward	1	Provide care to patients with gynecological disorders. Counsel and educate patient and families	Assist with gynecological Examination Assist with diagnostic procedures: Assist with therapeutic procedures Teach patients families Teaching self Breast Examination. Assist with PAP smear collection.	Provide care to 2-3 assigned patients Nursing care plan—i Maintain drug book	Assess each skill with checklist Assess performance with rating scale Evaluation of care plan Completion of activity record
Burns Unit	1	Provide care to patients with Burns Counsel and educate patient and families	Assessment of the burns patient Percentage of burns Degree of burns. Fluid & electrolyte replacement therapy • Assess • Calculate • Replace • Record intake/output Care of Bum wounds	Provide care to 1-2 assigned patients Nursing care plan -1 Observation report of Burns unit	Assess each skill with checklist Assess performance with rating scale Evaluation of care plan an observation report Completion of activity record

Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
			<ul style="list-style-type: none"> • Bathing • Dressing Perform active & passive exercises Practice medical & surgical asepsis Counsel & Teach patients and families Participate in rehabilitation program		
Oncology Unit	2	Provide care to patients with cancer Counsel and educate patient and families	Screen for common cancers-TNM Classification Assist with diagnostic Procedures Biopsies Pap smear Bone-marrow aspiration Breast examination Assist with therapeutic procedures Participates in various modalities of treatment <ul style="list-style-type: none"> • Chemotherapy • Radiotherapy • Pain management • Stoma therapy • Hormonal therapy • Immuno therapy • Gene therapy • Alternative therapy Participate in palliative care Counsel and teach patients families	Provide care to 2-3 assigned patients Nursing care plan 1 Observation report of cancer unit	Assess each skill with checklist Assess performance with rating scale Evaluation of care plan and observation report Completion of activity record

Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
			<ul style="list-style-type: none"> - Self Breast Examination - Warning signs • Participate in rehabilitation program 		
Critical care unit	2	Provide care to critically ill patients Counsel patient and families for grief and bereavement	Chest physiotherapy Perform active & passive exercises Monitoring of patients in ICU Maintain flow sheet Care of patient on ventilators Perform Endotracheal suction -Demonstrates use of ventilators, cardiac monitors etc. Collect specimens and interprets ABG analysis Assist with arterial puncture Maintain CVP line Pulse oximetry CPR-ALS Defibrillators Pace makers Bag-mask ventilation Emergency tray/ Crash Cart Administration of drugs <ul style="list-style-type: none"> • Infusion pump • Epidural • Intra thecal • Intracardiac Total parenteral therapy	Provide care to 1 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

Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
			Counsel the patient and family in dealing with grieving and bereavement		
Casualty! Emergency	1	Provide care to patients in emergency and disaster situation Counsel patient and families for grief and bereavement	Practice triage". Assist with assessment, examination, investigations & their interpretations, in emergency and disaster situations Assist in documentations Assist in legal procedures in emergency unit Participate in managing crowd Counsel patient and families in grief and bereavement	Observation report of Emergency unit	Assess performance with rating scale Evaluation of observation report Completion of activity record
Placement: Internship					
Medical Ward	2	Provide comprehensive care to patients with medical and surgical conditions including emergencies	Integrated Practice		Assess clinical performance with rating scale
Surgical Ward	2				
Critical care unit /ICCU	1				
Casualty/ Emergency	2				
Operation Theatre (Eye, ENT, Neuro)	2	Assist with common operations			

Child Health Nursing

Placement: Third year

Time: Theory - 100 hours
Practical - 300hours
Internship 145 hours

Course Description: This course is designed for developing an understanding of the modern approach to child- care, identification, prevention and nursing management of common health problems of neonates and children.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	15	<p>Explain the modern concept of child care & principles of child health nursing</p> <p>Describe national policy programs and legislation in relation to child health and welfare.</p> <p>List major causes of death during infancy, early & late childhood</p> <p>Describe the major functions and role of the paediatric nurse in caring for a hospitalized child.</p> <p>Describe the principles of child health nursing</p>	<p>Introduction</p> <p>Modern concepts of childcare</p> <p>Internationally accepted rights of the Child</p> <p>National policy and legislation in relation to child health and welfare</p> <p>National programmes related to child health and welfare</p> <p>Agencies related to welfare services to the children</p> <p>Changing trends in hospital care, preventive, promotive and curative aspects of child health.</p> <p>Child morbidity and mortality rates.</p> <p>Differences between an adult and child</p> <p>Hospital environment for a sick child</p> <p>Impact of hospitalisation on the child and family.</p> <p>Grief and bereavement</p> <p>The role of a Child health nurse in caring for a hospitalised child</p> <p>Principles of pre and post operative care of infants and children</p> <p>Child health nursing procedures.</p>	<ul style="list-style-type: none"> ➤ Lecture ➤ Discussion ➤ Demonstration of common paediatric procedures 	<ul style="list-style-type: none"> ➤ Short answers ➤ Objective type ➤ Assessment of skills with checklist

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
II	25	Describe the normal growth & development of children at different ages Identify the 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 • Principles of growth and development • Factors affecting growth & development • Growth and development from birth to adolescence • The needs of normal children through the stages of developmental and parental guidance • Nutritional needs of children & infants: breast feeding, exclusive breast feeding supplementary! artificial feeding and weaning, Baby friendly hospital concept Accidents: causes and prevention Value of play and selection of play material 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, child guidance clinic ➤ Film show on breast feeding ➤ Clinical practice/field 	Short answers Objective type Assessment of field visits and developmental study reports
III	15	Provide care to normal & high risk neonates Perform neonatal resuscitation. Recognize and manage	Nursing care of a neonate <ul style="list-style-type: none"> ➤ Nursing care of a normal newborn/Essential newborn care ➤ Neonatal resuscitation ➤ Nursing management of a low birth weight baby. ➤ Kangaroo mother care ➤ Nursing management of common neonatal disorders 	<ul style="list-style-type: none"> ➤ Lecture Discussion ➤ Workshop on - neonatal resuscitation ➤ Demonstration ➤ Practice session ➤ Clinical practice 	Short answers Objective type Assessment of skills with checklist

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		common neonatal problems	Organization of neonatal unit. Identification & nursing management of common congenital malformations.		
IV	10		Integrated management of neonatal and childhood illnesses (IMNCI)		
V	23	Identify measures to prevent common childhood diseases including immunization Provide nursing care in common childhood diseases	Nursing management in common childhood diseases Nutritional deficiency disorders Respiratory disorders and infections Gastrointestinal infections, infestations and congenital disorders Cardio vascular problem: congenital defects and rheumatic fever, rheumatic heart disease Genito- urinary disorders: acute glomerulo nephritis, Nephrotic syndrome, Wilms' tumor, infection and congenital disorders. Neurological infections and disorders: convulsions, epilepsy, meningitis, hydrocephalus, spina-bifida. Hematological disorders: Anemias, thalassemia, ITP, Leukemia, hemophilia Endocrine disorders: Juvenile Diabetes Mellitus - 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, hemorrhage, burns and drowning. Nursing care of infant and children with HIV / AIDS.	Lecture Discussion Demonstration Practice session Clinical practice	Objective type Assessment of skills with checklist Short answers

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
VI	12	<p>Manage the child with behavioural social problems</p> <p>Identify the social & welfare services for challenged children</p>	<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. <p>Child guidance clinics</p>	<p>Lecture discussion</p> <p>Field visits to child guidance clinics, school for mentally & physically, socially challenged</p>	<p>Short answers</p> <p>Objective type</p> <p>Assessment of field Reports</p>

Pediatric Nursing

Recommended Books:

- 1.) Kyle – Essentials of Pediatric Nursing,2009,LWW
- 2.) Marlow – Textbook of Pediatric Nursing,1996,Elsevier
- 3.) Hockenberry – Essentials of Pediatric Nursing,2008,Elsevier
- 4.) Potts – Pediatric Nursing ,2007,Thomson Learning
- 5.) Bowden – Pediatric Nursing Procedure ,2009,LWW

Reference Books:

- 1.) Hockenberry – Wong’s Nursing Care of the Infants & Children,2007,Elsevier
- 2.) Hatfield – Broadribb’s Introductory Pediatric Nursing,2007,LWW
- 3.) Lakshmana’s – Clinical Pediatrics,Lakshmana Publications
- 4.) Bowden – Children and Their Families ,2010,LWW
- 5.) Nelson – Textbook of Pediatrics, 2007, Elsevier.
- 6.) Ghai – Essentials of Pediatrics ,2009,CBS

- 7.) Avery's Neonatology ,2006,LWW
- 8.) Fleisher – Pediatric emergency Medicine,2006,
- 9.) Achar's Textbook of Pediatrics ,2009,Orient Black Swan

Child Health Nursing Practical

Placement: Third Year
Fourth Year

Time: 300 hrs (9 weeks)
Internship- 145 hrs (3 weeks)

Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
Paediatric Medicine Ward	3	<p>Provide nursing care to children with various medical disorders</p> <p>Counsel and educate parents.</p>	<p>Taking Paediatric History'</p> <p>Physical examination and assessment of children</p> <p>Administer of oral, J/M & IV medicine/fluids</p> <p>Calculation of fluid requirements</p> <p>Prepare different strengths of I. V. fluids</p> <p>Apply restraints</p> <p>Administer O2 inhalation by different methods</p> <p>Give baby bath</p> <p>Feed children by Katori spoon, etc.</p> <p>Collect specimens for common investigations</p> <p>Assist with common diagnostic procedures</p> <p>Teach mothers/parents</p> <p>Malnutrition Oral rehydration therapy</p> <ul style="list-style-type: none"> • Feeding & Weaning Immunization schedule • Play therapy • Specific Disease conditions 	<p>Give care to three assigned paediatric patients</p> <p>Nursing Care Plan -1</p> <p>Case study/ presentation - I</p> <p>Health Talk -1</p>	<p>Assess clinical performance with rating scale</p> <p>Assess each skill with checklist</p> <p>OSCE/OSPE</p> <p>Evaluation of case study!</p> <p>presentation and Health education session</p> <p>Completion of activity record.</p>

Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
Pediatric Surgery Ward	4	<p>Recognize different pediatric surgical conditions/ Malformations</p> <p>Provide pre and post operative care to children with common</p>	<p>Calculate, prepare and administer I/V fluids</p> <ul style="list-style-type: none"> • bowel wash <p>Care for ostomies:</p> <ul style="list-style-type: none"> • Colostomy irrigation <p>Ureterostomy</p> <p>Gastrostomy</p> <p>Enterostomy</p> <p>Urinary catheterization and drainage</p> <p>Feeding</p>	<p>Give care to three assigned paediatric surgical patients</p> <p>Nursing Care Plan - 1</p> <p>Case study / Presentation - 1</p>	<p>Assess clinical performance with rating scale</p> <p>Assess each skill with checklist</p> <p>OSCE/OSPE</p> <p>Evaluation of case study!</p>

		paediatric surgical conditions/ Malformation Counsel and educate parents	Naso-gastric Gastrostomy Jejunostomy Care of surgical wounds Dressing • Suture removal		presentation Completion of activity record.
Pediatric OPD/ Immunization room	1	Perform assessment of children: Health, Developmental and Anthropometric Perform Immunization Give Health Education / Nutritional Education	Assessment of children - Health assessment - Developmental assessment Anthropometric assessment Immunization Health/Nutritional Education	Developmental study - I	Assess clinical performance with rating scale Completion of activity record
Paediatric medicine and surgery ICU	1+1	Provide nursing care to critically ill children	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 1	Assess clinical performance with rating scale Completion of activity record Evaluation of observation report

Internship

Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
Pediatric medicine ward/ICU	1	Provide comprehensive care to children with medical conditions	Integrated Practice		Assess clinical performance with rating scale
Pediatric Surgery ward/ICU	1	Provide comprehensive care to children with surgical conditions	Integrated Practice		Assess clinical performance with rating scale
NICU	1	Provide intensive care to neonates	Integrated Practice		Assess clinical performance with rating scale

Mental Health Nursing

Placement: Third Year

Theory —100 Hours
Practical — 300 Hours
Internship- 95 hours (2 weeks)

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 for individuals, family and community

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
1	5	Describes the historical development & current trends in mental health nursing Describe the epidemiology of mental health problems Describe the National Mental Health Act, programmes and mental health policy Discusses the scope of mental health nursing Describe the concept of normal & abnormal behaviour	Introduction <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 Act • National Mental health policy vis a vis National Health Policy • National Mental Health programme • Mental health team • Nature and scope of 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 	<ul style="list-style-type: none"> ➤ Lecture ➤ Discussion 	<ul style="list-style-type: none"> ➤ Objective type ➤ Short answer ➤ Assessment of the field visit reports
	7	Defines the various terms used in mental health Nursing	Principles and Concepts of Mental Health Nursing Definition: mental health nursing and terminology used Classification of mental disorders: ICD	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Explain using Charts ➤ Review of personality development 	<ul style="list-style-type: none"> ➤ Essay type ➤ Short answer ➤ Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		<ul style="list-style-type: none"> ➤ Explains 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>Review of personality development, defense mechanisms</p> <p>Maladaptive behaviour of individuals and groups: stress, crisis and disaster(s)</p> <p>Etiology: bio- psycho-social factors</p> <p>Psychopathology of mental disorders: review of structure and function of brain, limbic system and abnormal neuro transmission</p> <p>Principles of Mental health Nursing</p> <p>Standards of Mental health Nursing practice</p> <p>Conceptual models and the role of nurse:</p> <ul style="list-style-type: none"> • Existential Model • Psycho-analytical models • Behavioural model • Interpersonal model 		
III	11	Describe nature, purpose and process of assessment of mental health status	<p>Assessment of mental health status</p> <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 and responsibilities of nurse 	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Demonstration ➤ Practice session ➤ Clinical practice 	Short answer Objective type Assessment of skills with check list
IV	8	Identify therapeutic communication techniques Describe therapeutic relationship	<p>Therapeutic communication and nurse-patient relationship</p> <ul style="list-style-type: none"> • Therapeutic communication: Types, techniques, characteristics Types of relationship, Ethics and responsibilities 	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Demonstration ➤ Role play ➤ Process recording 	Short answer Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		Describe therapeutic impasse and its intervention	Elements of nurse patient contract Review of technique of IPR-Johari Window Goals, phases, tasks, therapeutic techniques Therapeutic impasse and its intervention		
V	15	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: Therapeutic community, psycho therapy-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 • Geriatric considerations Role of nurse in above therapies	Lecture discussion Demonstration Group work Practice session Clinical practice	Essay type Short answers Objective Type
VI	7	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 Classification: ICD Etiology, psycho-pathology, types, clinical manifestations, diagnosis Nursing Assessment-History, Physical and mental assessment Treatment modalities and nursing management of patients with Schizophrenia and other psychotic disorders Geriatric considerations Follow-up and home care and Rehabilitation	Lecture discussion Case discussion Case presentation Clinical practice	Essay type Short answers Assessment of patient management problems.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
VII	5	Describe the etiology, psycho-pathology, clinical manifestations, diagnostic criteria and management of patients with mood disorders	<p>Nursing management of patient with mood disorders</p> <ul style="list-style-type: none"> • Mood disorders: Bipolar affective disorder, Mania depression and dysthymia etc • Etiology, psycho-pathology, clinical manifestations, diagnosis, • Nursing Assessment-History, Physical and mental assessment • Treatment modalities and nursing management of patients with mood disorders • Geriatric considerations • Follow-up and home care and rehabilitation 	Lecture discussion Case discussion Case presentation Clinical practice	Essay type Short answers Assessment of patient management problems
VIII	8	Describe the etiology, psycho-pathology, clinical manifestations, diagnostic criteria and management of patients with neurotic, stress related and somatization disorders	<p>Nursing management of patient with neurotic, stress related and somatization disorders</p> <p>Anxiety disorder, Phobias, Dissociation and Conversion disorder, Obsessive compulsive disorder, somatoform disorders, Post traumatic stress disorder</p> <p>Etiology, psycho-pathology, clinical manifestations, diagnosis</p> <p>Nursing Assessment-History, Physical and mental assessment</p> <p>Treatment modalities and nursing management of patients with neurotic, stress related and somatization disorders</p> <p>Geriatric considerations</p> <p>Follow-up and home care and rehabilitation</p>	Lecture discussion Case discussion Case presentation Clinical practice	Essay type Short answers Assessment of patient management problems

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
IX	5	Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients with substance use disorders	<p>Nursing management of patient with Substance use disorders</p> <p>Commonly, used psychotropic substance: Classification, forms, routes, action, intoxication and withdrawal</p> <p>Etiology of dependence: tolerance, psychological and physical dependence, withdrawal syndrome, diagnosis, Nursing Assessment-History, Physical, mental assessment and drug assay.</p> <p>Treatment (detoxification, antabuse and narcotic antagonist therapy and harm reduction) and nursing management of patients with substance use disorders</p> <p>Geriatric considerations</p> <p>Follow-up and home care and rehabilitation</p>	<p>Lecture discussion</p> <p>Case discussion</p> <p>Case presentation</p> <p>Clinical practice</p>	<p>Essay type</p> <p>Short answers</p> <p>Assessment of patient management problems</p>
X	4	Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients with personality, Sexual and Eating disorders	<p>Nursing management of patient with Personality, Sexual and Eating disorders</p> <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 and rehabilitation 	<p>Lecture discussion</p> <p>Case discussion</p> <p>Case presentation</p> <p>Clinical practice</p>	<p>Essay type</p> <p>Short answers</p> <p>Assessment of patient management Problems</p>
XI	6	Describe the etiology, psychopathology, clinical	<p>Nursing management of childhood and adolescent disorders including mental deficiency</p> <p>Classification</p>	<p>Lecture discussion</p> <p>Case discussion</p> <p>Case presentation</p>	<p>Essay type</p> <p>Short answers</p> <p>Assessment of patient</p>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		manifestations, diagnostic criteria and management of childhood and adolescent disorders including mental deficiency	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 care and rehabilitation		
XII	5	Describe the etiology, psycho-pathology, 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 (parkinsons 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 emergencies and carry out crisis intervention	Psychiatric emergencies and crisis intervention Types of psychiatric emergencies and their management Stress adaptation Model: stress and stressor, coping, resources and mechanism Grief: Theories of grieving process, principles, techniques of counselling Types of crisis Crisis Intervention: Principles, Techniques and Process Geriatric considerations Role and responsibilities of nurse	Lecture discussion Demonstration Practice session Clinical practice	Short answers Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
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 etc. • Indian Lunacy Act.1912 • Rights of mentally ill clients • Forensic psychiatry • Acts related to narcotic and psychotropic substances and illegal drug trafficking • Admission and discharge procedures <p>Role and responsibilities of nurse</p>	<p>Lecture discussion Case discussion</p>	<p>Short answers Objective Type</p>
XV	4	<p>Describe the model of preventive psychiatry</p> <p>Describes Community Mental health services and role of the nurse</p>	<p>Community Mental Health Nursing</p> <ul style="list-style-type: none"> • Development of Community Mental Health Services: • National Mental Health Programme • Institutionalization Versus Deinstitutionalization • 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</p>	<p>Short answers Objective type Assessment of the field visit reports</p>

Mental Health Nursing-Practical

Placement: Third Year
Fourth year

Time: Practical — 300 hours (10 weeks)
Internship- 95 hours (2 weeks)

Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
Psychiatric OPD	1	Assess patients with mental health problems Observe and assist in Therapies Counsel and educate patient, and families	History taking Perform mental status examination (MSE) Assist in Psychometric assessment Perform Neurological examination Observe and assist in therapies Teach patients and family members	History taking and Mental status examination- 2 Health education- 1 Observation report of OPD	Assess performance with rating scale Assess each skill with checklist Evaluation of health education Assessment of observation report Completion of activity record.
Child Guidance clinic	2	Assessment of children with various mental health problems Counsel and educate children, families and significant others	History taking Assist in psychometric assessment Observe and assist in various therapies Teach family and significant others	Case work-1 Observation report of different therapies-I	Assess performance with rating scale Assess each skill with checklist Evaluation of the observation report
Inpatient ward	6	Assess patients with mental health problems To provide nursing care for patients with various mental health problems	History taking Perform mental status examination (MSE) Perform Neurological examination Assist in psychometric assessment	Give care to 2-3 patients with various mental disorders Case study- 1 Care plan -2 Clinical presentation 1	Assess performance with rating scale Assess each skill with checklist Evaluation of the case study,

Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
		Assist in various therapies Counsel and educate patients, families and significant others	Record therapeutic , communication Administer medications Assist in Electro-convulsive Therapy (ECT) Participate in all therapies Prepare patients for Activities of Daily living (ADL) Conduct admission and discharge counselling Counsel and teach patients and families	Process recording 2 Maintain drug book	care plan, clinical presentation, process recording Completion of activity record.
Community Psychiatry	1	To identify patients with various mental disorders To motivate patients for early treatment and follow up To assist in follow up clinic Counsel and educate patient, family and community	Conduct case work Identify individuals with mental health problems Assists in mental health camps and clinics Counsel and Teach family members, patients and community	Case work-I Observation report on field visits	<ul style="list-style-type: none"> Assess performance with rating scale Evaluation of case work and observation report Completion of activity record
Internship					
Psychiatry ward	2 weeks	Provide comprehensive care to patients with mental health problems	Integrated Practice		Assess clinical performance with rating scale

Psychiatric Nursing

Recommended Books:

- 1.) Townsend – Psychiatric Mental Health Nursing,2007.F.A.Davis
- 2.) Shives – Basic Concepts in Psychiatric Mental Health Nursing,2007,LWW
- 3.) Stuart – Principles & Practice of Psychiatric Nursing,2008,Elsevier
- 4.) Sreevani – Psychiatric Mental Health Nursing,2008,Jaypee

Reference Books:

- 1.) Boyd – Psychiatric Nursing,2007,LWW
- 2.) Ahuja – Psychiatry – 2008,Jaypee
- 3.) Kaplan – Kaplan & Sadock’s Synopsis of Pyschiatry,2007,LWW
- 4.) Kaplan – Kaplan & Sadock Concise Textbook of Clinical Psychiatry,2008,LWW
- 5.) Lalitha - Psychiatric Mental Health Nursing ,VMG Publishers
- 6.) Kaplan – Kaplan & Sadock Handbook of Clinical Psychiatry,2010,LWW
- 7.) Schltz – Lippincott’s Manual of Psychiatric Nursing Care Plans,2009,LWW

Midwifery and Obstetrical Nursing

Placement: Third year & Fourth year

Time: Theory 80 + 50 hours
Practical - 260 hours

Course Description: This course is designed for students to appreciate the concepts and principles of midwifery and obstetrical nursing. It helps them to acquire knowledge and skills in rendering nursing care to normal and high risk pregnant woman during antenatal, natal and 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 (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	3	Recognise the trends and issues in midwifery and obstetrical nursing	Introduction to midwifery and obstetrical Nursing Introduction to concepts of midwifery and obstetrical Nursing Trends in midwifery and obstetrical nursing Historical perspectives and current trends Legal and ethical aspects Pre-conception care and preparing for parenthood Role of nurse in midwifery and obstetrical care. National policy and legislation in relation to maternal health and welfare. Maternal, morbidity, mortality and fertility rates Perinatal, morbidity and mortality rates	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Explain using Charts and graphs 	<ul style="list-style-type: none"> ➤ Short answers ➤ Objective type
II	8	Describe the anatomy and physiology of female reproductive system	Review of anatomy and physiology of female reproductive system and foetal development Female pelvis — general description of the bones joints, ligaments, planes of the pelvis diameters of the true pelvis, important landmarks, variations in pelvis shape. Female organs of reproduction - external genitalia, internal genital organs and their anatomical	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Review with Charts and models 	<ul style="list-style-type: none"> ➤ Short answers ➤ Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> ➤ relations, musculature — blood- supply, nerves, lymphatics, pelvic cellular tissue, pelvic peritonium. ➤ Physiology of menstrual cycle ➤ Human sexuality ➤ Foetal development ➤ Conception ➤ Review of fertilization, implantation (embedding of the ovum), development of the embryo and placenta at term — functions, abnormalities, the foetal sac, amniotic fluid, the umbilical chord, ➤ Foetal circulation, foetal skull, bones, sutures and measurements. ➤ Review of Genetics 		
III	8	Describe the diagnosis and management of women during antenatal period.	<p>Assessment and management of pregnancy (ante-natal)</p> <ul style="list-style-type: none"> • 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 • Discomforts of pregnancy • Diagnosis of pregnancy • Signs • Differential diagnosis • Confirmatory tests • Ante-natal care C Objectives • Assessment - History and physical examination - Antenatal Examination - Signs of previous child-birth 	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Demonstration ➤ Case discussion! presentation ➤ Health talk ➤ Practice session ➤ Counseling session ➤ Supervised Clinical practice 	<p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with check list</p> <p>Assessment of patient management problems</p>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> - Relationship of foetus to uterus and pelvis: Lie, Attitude, Presentation, Position - Per vaginal examination. • Screening and assessment for high risk; • Risk approach • History and Physical Examination • Modalities of diagnosis; Invasive & Non-Invasive, ultrasonics, card iotomography, NST, CST • Antenatal preparation - Antenatal counseling - Antenatal exercises Q Diet - Substance use - Education for child-birth - Husband and families - Preparation for safe-confinement - Prevention from radiation • Psycho-social and cultural aspects of pregnancy - Adjustment to pregnancy - Unwed mother - Single parent - Teenage pregnancy - Sexual violence • Adoption 		
IV	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> <ul style="list-style-type: none"> • Physiology of labour, mechanism of labour • Management of labour. ci First stage - Signs and symptoms of onset of labour; normal and abnormal - Duration - Preparation of: <ul style="list-style-type: none"> • Labour room • Woman - Assessment and observation of women in labour; partogram-maternal and foetal monitoring 	<p>Lecture discussion</p> <p>Demonstration</p> <p>Case discussion!</p> <p>presentation</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 patient management problems</p>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> - Active management of labour, Induction of labour - Pain relief and comfort in labour • Second stage • Signs and symptoms; normal and abnormal • Duration • Conduct of delivery; Principles and techniques • Episiotomy (only if required) • Receiving the new born - Neonatal resuscitation; initial steps and subsequent resuscitation - Care of umbilical cord - Immediate assessment including screening for congenital anomalies - Identification - Bonding - Initiate feeding - Screening and transportation of the neonate • Third stage • Signs and symptoms; normal and abnormal • Duration • Method of placental expulsion • Management; Principles and techniques • Examination of the placenta • Examination of perineum • Maintaining records and reports • Fourth Stage 		
V	5	<p>Describe the physiology of puerperium.</p> <p>Describe the management of women during post- natal period</p>	<p>Assessment and management of women during post natal period</p> <ul style="list-style-type: none"> • Normal puerperium; Physiology Duration • Postnatal assessment and management • Promoting physical and emotional well-being • Lactation management Immunization 	<p>Lecture discussion Demonstration Health talk - Practice Session Supervised Clinical practice</p>	<p>Essay type Short answers Objective type Assessment of skills with check list Assessment</p>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			Family dynamics after child-birth, Family welfare services; methods, counselling Follow-up Records and reports		of patient management problems
VI	5	Describe the assessment and management of normal neonate	Assessment and management of normal neonates Normal Neonate; - Physiological adaptation, -Initial & Daily assessment - Essential newborn care; Thermal control, - Breast feeding, prevention of infections Immunization Minor disorders of newborn and its management Levels of Neonatal care (level I, II, & III) At primary, secondary and tertiary levels Maintenance of Reports and Records	Lecture discussion Demonstration Practice Session Supervised Clinical practice	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problems
VII	10	Describe the Identification and management of women with high risk pregnancy	High-risk pregnancy - assessment & management • Screening and assessment - Ultrasonics, cardiotomography, NST, CST, non-invasive & invasive, - Newer modalities of diagnosis • High-risk approach • Levels of care; primary, secondary and tertiary levels • Disorders of pregnancy - Hyper-emesis gravidarum, bleeding in early pregnancy, abortion, ectopic - Pregnancy, vesicular mole, - Ante-partum haemorrhage. • Uterine abnormality and displacement. • Diseases complicating pregnancy - Medical and surgical conditions - Infections, RTI (STD), UTI, HIV, TORCH	Lecture discussion Demonstrate using video films,scan reports, partograph etc Case discussion/presentation Health talk Practice Session Supervised Clinical practice	Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problems

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			<ul style="list-style-type: none"> - Gynaecological diseases complicating pregnancy - Pregnancy induced hypertension & diabetes, Toxemia of pregnancy, hydramnios, Rh incompatibility u Mental disorders • Adolescent pregnancy, Elderly primi and grand multipara • Multiple pregnancy • Abnormalities of placenta & cord • Intra-uterine growth-retardation • Nursing management of mothers with high-risk pregnancy • Maintenance of Records and Report 		
VIII	10	<p>Describe management of abnormal labour.</p> <p>And obstetrical emergencies</p>	<p>Abnormal Labour - assessment and management</p> <ul style="list-style-type: none"> • Disorders in labour - CPD and contracted pelvis - Malpositions and malpresentations - Premature labour, disorders of uterine actions - precipitate labour, prolonged labour - Complications of third stage: injuries to birth canal • Obstetrical emergencies and their management; - Presentation and prolapse of cord, Vasa praevia, amniotic fluid embolism, rupture of uterus, shoulder dystocia, obstretical shock • Obstetrical procedures and operations; - Induction of labour, forceps, vacuum version, manual removal of placenta, caesarean section, destructive operations • Nursing management of women undergoing Obstetrical operations and procedures 	<p>Lecture discussion</p> <p>Demonstration</p> <p>Case discussion!</p> <p>presentation</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 checklist.</p> <p>Assessment of patient manage- ment problems</p>
IX	4	Describe management	Abnormalities during Postnatal Periods	Lecture discussion	Essay type Short answers

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		of post natal complications	Assessment and management of woman with postnatal complications Puerperial infections, breast engorgement & infections, U'il, thrombo-Embolic disorders, post-partum haemorrhage, Eclampsia and subinvolution, Psychological complications: - Post partum Blues - Post partum Depression - Post partum Psychosis	Demonstration Case discussion! presentation Supervised Clinical practice	Objective type Assessment of skills with checklist. Assessment of patient management problems
X	7	Identify the high risk neonates and their nursing management	Assessment and management of High risk newborn • Admission of neonates in the neonatal intensive care units- protocols Nursing management of: - Low birth weight babies - Infections - Respiratory problems - haemolytic disorders - Birth injuries - Malformations • Monitoring of high risk neonates • Feeding of high risk neonates • Organisation and management of neonatal intensive care units • Infection control in neonatal intensive care units • Maintenance of reports and records	Lecture discussion Demonstration -Practice session Case discussion! presentation Supervised Clinical practice	Essay type Short answers Objective type Assessment of skills with checklist. Assessment of patient management problems
XI	2	Describe indication, dosage, action, side effects and nurses responsibilities in the administration of drugs used for mothers	Pharmaco-therapeutics in obstetrics Indication, dosage, action, contra indication and side effects of drugs Effect of drugs on pregnancy, labour & puerperium, Nursing responsibilities in the administration of drug in Obstetrics - oxytocins, antihypertensives, diuretics, tocolytic agents, anticonvulsants; Analgesics and anesthetics in obstetrics. Effects of maternal medication on foetus and neonate	Lecture discussion Drug book Drug presentation	Short answers Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
XII	6	<p>Appreciate the importance of family welfare programme</p> <p>Describe the methods of contraception and role of nurse in family welfare programme</p>	<p>Family Welfare Programme</p> <ul style="list-style-type: none"> • Population trends and problems in India • Concepts, aims, importance and history of family welfare programme • National Population: dynamics, policy and education • National family welfare programme; RCH, ICDS, MCH. Safe motherhood • Organization and administration; at national, state, district, block and village levels • Methods of contraception; spacing, temporary and permanent, Emergency contraception • Infertility and its management • Counseling for family welfare • Latest research in contraception • Maintenance of vital statistics • Role of national, international and voluntary organizations • Role of a nurse in family welfare programme • Training / Supervision / Collaboration with other functionaries in community like ANMs, LHV's, Anganwadi workers, TBAs (Traditional birth attendant - Dai) 	<p>Lecture discussion</p> <p>Demonstration</p> <p>Practice session</p> <p>Supervised practice</p> <p>Group project</p> <p>Counseling session</p> <p>Field visits</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with check list, project and field visits reports</p>

Midwifery and Obstetrical Nursing- Practical

Placement: Third Year &
Fourth year

Time: Practical —

260 hours (Third Year)
170 hours (Fourth year)

Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
Antenatal clinic/ OPD	2	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 - 1 Case book recordings	Verification of findings of Antenatal examinations Completion of casebook recordings
Labour room O.T.	5	Assess woman in labour Carry out per-vaginal examinations Conduct normal deliveries Perform episiotomy and suture it Resuscitate newborns Assist with Caesarean Sections,	Assessment of Woman in labour Pervaginal examinations and interpretation Monitoring and caring of woman in labour Maintenance of partograph Conduct normal delivery Newborn assessment and immediate care Resuscitation of newborns	*Conduct normal deliveries - 20 *Prevaginal examinations 5 *Perform and Suture the episiotomies - 5 *Resuscitate newborns - 5 *Assist with Caesarean Sections - 2 *Witness abnormal deliveries - 5	Assessment of clinical performance with rating scale Assessment of each skill With checklists Completion of Case book recordings

Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
		MTP and other surgical procedures	Assessment of risk status of newborn Episiotomy aid 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 MTP and other surgical procedures	Assist with MTP and other Surgical procedures - Case book recordings	
Post natal ward	6	Provide nursing care to post natal mother and baby Counsel and teach mother and family for parent hood	Examination and assessment of mother and Baby Identification of deviations Care of postnatal mother and baby Perineal care Lactation. management Breast feeding Babybath Immunization, Teaching postnatal mother: Mother craft Post natal care & Exercises Immunization	Case presentation - I Case book recordings *Give care to Post natal - mothers - 20 Health talks-I Case study —	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	3	Provide nursing care to newborn at risk	Newborn assessment Admission of neonates Feeding of at neonates risk	Case study-1 Observation Study – I	Assessment of clinical performance Assessment of each skill With checklists Evaluation

Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
			<ul style="list-style-type: none"> • Katori spoon, paladi, tube feeding, total parenteral nutrition • Thermal management of neonates-kangaroo mother care, care of baby in incubator • Monitoring and care of neonates • Administering medications • Intravenous therapy • Assisting with diagnostic procedure • Assisting with exchange transfusion • Care of baby on ventilator • Phototherapy • Infection control protocols in the nursery Teaching and counselling of parents Maintenance of Neonatal records 		of and observation study
Family Planning Clinic	Rotation from post natal ward 1 wk	Counsel for and provide family welfare services	Counselling technique Insertion of IUD Teaching on use of family planning methods Arrange for and Assist with family planning operations Maintenance of records and reports	* IUD insertion-5 Observation Study-i Counselling- 2 Simulation exercise on recording and reporting - 1	Assessment of each skill With checklists Evaluation of and observation study

*** Essential Requirements for registration as midwife**

* Antenatal examination	30
* Conducting normal deliveries in Hospital/home/health centre	20
* Vagina! Examination	5
* Episiotomy and suturing	5
* Neonatal resuscitation	5
* Assist with Caesarean Section	2
* Witness/Assist abnormal deliveries	5
* Postnatal cases nursed in hospital/home/health centre	20
* Insertion of IUD	5

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

Internship Obstetrical Nursing

Duration- 5 weeks

Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
Labour Ward	2	Provide comprehensive care to mothers and neonates	integrated Practice	Completion of other essential requirements Case book recordings	Assess clinical performance with rating scale Completion of case book recordings
Neonatal intensive care unit NICU	1				
Antenatal	2				

Maternity Nursing:

Recommended Books:

- 1.) Myle’s Textbook for Midwives, 2008, Elsevier
- 2.) Reeder & Martin – Maternity Nursing, Lippincott

Reference Books:

- 1.) Orshan – Maternity Nursing ,2009,LWW
- 2.) William’s Obstetrics,2009,Mcgrahill

- 3.) Mudaliar – Clinical Obstetrics, Orient Black swan.
- 4.) Berek - Novak's Gynecology,2008,LWW
- 5.) Lowdermilk – Maternity Nursing,2008,Elsevier
- 6.) Dutta – Obstetrics ,NCBA
- 7.) Seshadri – Essentials of Gynaecology,2010,WK

Community Health Nursing-II

Placement: Fourth year

Time: Theory - 90 hours

Practical - 140 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 using concept and principles of health and community health nursing

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	4	Define concepts, scope, principles and historical development of Community Health and community health Nursing	Introduction <ul style="list-style-type: none"> • Definition, concept & scope of Community Health and Community Health Nursing • Historical development of Community health • Community health Nursing. <ul style="list-style-type: none"> - Pre-independence - Post-independence 	<ul style="list-style-type: none"> ➤ Lecture discussion 	<ul style="list-style-type: none"> ➤ Essay type ➤ Short answers
II	6	Describe health plans, policies, various health committees and health problems in India	Health planning and policies and problems <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) <ul style="list-style-type: none"> • National population policy • Health problems in India 	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Panel discussion 	<ul style="list-style-type: none"> ➤ Essay type ➤ Short answers
III	15	Describe the system of delivery of community health services in rural and urban areas	Delivery of community health services Planning, budgeting and material management of SCs , PHC and, CHC Rural: Organization, staffing and functions of rural health services provided by government at:	<ul style="list-style-type: none"> ➤ Lecture discussion ➤ Visits to various health delivery systems ➤ Supervised field practice ➤ Panel discussion 	<ul style="list-style-type: none"> ➤ Essay type ➤ Short answers

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
		<p>List the functions of various levels and their staffing pattern</p> <p>Explain the components of health services</p> <p>Describe alternative systems of health promotion and health maintenance.</p> <p>Describe the chain of referral system</p>	<ul style="list-style-type: none"> • Village • Subcentre • Primary health centre • Community health center / subdivisional • Hospitals • District • State • Centre • Urban: Organization, staffing and functions of urban health services provided by government at: <ul style="list-style-type: none"> • Slums • Dispensaries • Maternal and child health centers • Special Clinics • Hospitals • Corporation / Municipality / Board • Components of health services • Environmental sanitation • Health education • Vital statistics • M.C.H.-antenatal, natal, postnatal, MTP Act, female foeticide act, child adoption act • Family Welfare • National health programmes • School health services • Occupational health • Defence services • Institutional services • Systems of medicine and health care <ul style="list-style-type: none"> • Allopathy • Indian System of Medicine and Homeopathy • Alternative health care systems like yoga, meditation, social and spiritual healing etc • Referral system 	➤	

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
IV	25	Describe Community health Nursing approaches and concepts Describe the roles and responsibilities of Community health nursing personnel	Community health nursing approaches, concepts and roles and responsibilities of nursing personnel <ul style="list-style-type: none"> • Approaches • Nursing theories And Nursing process • Epidemiological approach • Problem solving approach • Evidence based approach • Empowering people to care for themselves • Concepts of Primary Health Care: <ul style="list-style-type: none"> • Equitable distribution • Community participation • Focus on prevention • Use of appropriate technology • Multi-sectoral approach • Roles and responsibilities of Community health nursing personnel in <ul style="list-style-type: none"> • Family health services • Information Education Communication (IEC) • Management Information System (MiS): Maintenance of Records & reports • Training and supervision of various categories of health workers • National Health Programmes • Environmental sanitation • Maternal and child health and Family welfare • Treatment of Minor ailments • School Health Services • Occupational Health • Organisation of clinics, camps: Types, Preparation, planning, conduct and evaluation • Waste management in the center, clinics etc. • Home visit: Concept, Principles, Process, Techniques: Bag technique home visit • Qualities of Community Health Nurse • Job Description of Community health nursing personnel 	Lecture discussion Demonstration Practice session Supervised field practice Participation in camps Group Project	Essay type Short answers

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
V	15	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 self and family</p> <ul style="list-style-type: none"> • Monitoring growth and development Mile stones Weight measurement Social development • Temperature and Blood pressure monitoring • Menstrual cycle • Breast self examination and testicles • Warning Signs of various diseases • Tests : Urine for sugar and albumin, blood sugar <p>B. Seek health services for</p> <ul style="list-style-type: none"> • Routine checkup • Immunization • Counseling • Diagnosis • Treatment • Follow up • Maintenance of health records for self and family • Continue medical care and follow up in community for various diseases and disabilities 	<p>Lecture discussion</p> <p>Demonstration</p> <p>Practice session</p> <p>Supervised field practice</p> <p>Individual!</p> <p>group/family!</p> <p>community health education</p>	<p>Essay type</p> <p>Short answers</p>

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			E. Carryout therapeutic procedures as prescribed! required for self and family F. Waste Management <ul style="list-style-type: none"> • Collection and disposable of waste at home and community G. Sensitize and handle social issues affecting health and development for self and family <ul style="list-style-type: none"> • Women Empowerment • Women and child abuse • Abuse of elders • Female Foeticide • Commercial sex workers • Food adulteration • Substance abuse H. Utilize community resources for self and family Trauma services <ul style="list-style-type: none"> • Old age homes • Orphanage • Homes for physically and mentally challenged individuals • Homes for destitute 		
VI	20	Describe national health and family welfare programmes and role of a nurse Describe the various health schemes in India	National health and family welfare programmes and the role of a nurse 1) National ARI programme 2) Revised National Tuberculosis Control Programme (RNTCP) 3) National Anti- Malaria programme 4) National Filaria control programme 5) National Guinea worm eradication programme 6) National Leprosy eradication programme	Lecture discussion Participation in national health programmes Field visits	Essay type Short answers

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			7) National AIDS control programme 8) STD control programme 9) National programme For control of blindness 10) Iodine deficiency disorder programme 11) Expanded programme on immunization 12) National Family Welfare Programme- RCH Programme historical development, organisation, administration, research, constraints 13) National water supply and sanitation programme 14) Minimum Need programme 15) National Diabetics control programme 16) Polio Eradication: Pulse Polio Programme 17) National Cancer Control Programme 18) Yaws Eradication Programme 19) National Nutritional Anemia Prophylaxis programme 20) 20 point programme 21) ICDS programme 22) Mid-day meal applied nutritional programme 23) National mental health programme Health schemes <ul style="list-style-type: none"> • ESI • CGHS • Health insurance 		
VII	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 of India 	Lecture discussion Field visits	Essay type Short answers

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
			(FPAI), Tuberculosis Association India, Hindu Kusht Nivaran Sangh, Central Social Welfare Board, All India women's conference, Blind Association of India etc.		

Community Health Nursing

Recommended Books

- 1.) Park – Social and Preventive Medicine ,Bannott Publishers

Reference Books

- 1.) Allender – Community Health Nursing,2009,LWW
- 2.) Stanhope – Community Health Nursing,2008,Elsevier
- 3.) Anderson – Community as Partner,2009,LWW
- 4) Deim – Community Health Projects,2006,Lippincott

Community Health Nursing-II Practical

Placement: Fourth year

Time: Practical — 140 hours (Third Year)
Internship- 195 hours

Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
Community health nursing	1 wk for urban 5wk for rural	Identify community profile Identify prevalent communicable and non-communicable diseases Diagnose health needs of Individual, families and community Plan, provide and evaluate care Participate in school health program Participate in national health programs Organize group for self help and involve clients in their own health activities Provide family welfare services Counsel and educate	Community health survey Community diagnosis Family care: Home adaptation of common procedures Home visit: Bag technique Organize and conduct clinics- antenatal, post natal, well baby clinic, camps etc Screen manage and referrals for: High risk mothers and neonates Accidents and emergencies ci Illnesses: Physical and mental ci Disabilities Conduct delivery at centre/home: episiotomy and suturing Resuscitate newborn School Health programme ci Screen, manage, refer children Collaborate with health and allied agencies	Community survey report- I Family care study- I Project-i Health talk-i Case book recording	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 weeks	Objectives	Skills	Assignments	Assessment methods
		individual, family and	Train and Supervise health workers		

		community Collect Vital health statistics Maintain Records & Reports	Provide family welfare services: insertion of IUD Counsel and teach individual, family and community about: HIV, TB, Diabetes, hypertension, Mental health, adolescents, elderly's health, physically and mentally challenged individuals etc Collect and Calculate Vital health statistics Document and maintain Individual, family and administrative records. Write reports- center, disease, national health programme/ projects,		
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Placement: Internship Time: 4 Weeks

Areas	Duration in weeks	Objectives	Skills	Assignments	Assessment methods
Urban	4 weeks	Provide comprehensive care to individual, family and community	Integrated Practice and group project- I in each rural and urban		Assess clinical performance with rating scale Evaluation of project

Note: During the Rural posting they should stay in health centers under the supervision of teachers

Nursing Research and Statistics

**Placement: Fourth year
Internship**

**Time: Theory - 50 hours
Practical - 45 hours**

Course Description: The Course is designed to enable students to develop an understanding of basic concepts of research, research process and statistics. It is further, structured to conduct/ participate in need based research studies in various settings and utilize the research findings to provide quality nursing care. The hours for practical will be utilized for conducting individual/group research project.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
I	5	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 method • Characteristics of good research • Steps of Research process-overview 	<ul style="list-style-type: none"> ➤ Lecture ➤ Discussion ➤ Narrate steps of research process followed from examples of published studies 	<ul style="list-style-type: none"> ➤ Short answer ➤ Objective type
II	4	Identify and state the research problem 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 	<ul style="list-style-type: none"> ➤ Lecture ➤ Discussion ➤ Exercise on writing statement of problem and objectives 	<ul style="list-style-type: none"> ➤ Short answer ➤ Objective type
III	4	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 	<ul style="list-style-type: none"> ➤ Lecture ➤ Discussion ➤ Exercise on reviewing one research report/article for a selected research problem. ➤ Prepare annotated bibliography 	<ul style="list-style-type: none"> ➤ Short answer ➤ Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
IV	6	Describe the research approaches and designs	Research approaches anti designs <ul style="list-style-type: none"> • Historical, survey and experimental • Qualitative and Quantitative designs 	<ul style="list-style-type: none"> ➤ Lecture ➤ Discussion ➤ Explain types of research approaches used from examples of published and unpublished research studies with rationale. 	Short answer Objective type
V	8	Explain the sampling process Describe the methods of data collection	Sampling and 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: Methods of data collection Questioning, interviewing Observations, record analysis and measurement Types of instruments Validity & Reliability of the Instrument Pilot study Data collection procedure 	<ul style="list-style-type: none"> ➤ Lecture ➤ Discussion ➤ Reading assignment on examples of data collection tools. ➤ Preparation of sample data collection tool. ➤ Conduct group research project 	Short answer Objective type
VI	4	Analyze, Interpret and summarize the research data	Analysis of data: Compilation, Tabulation, classification, summarization, presentation, interpretation of data	<ul style="list-style-type: none"> ➤ Lecture ➤ Discussion ➤ Preparation of sample tables. 	Short answer Objective type

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment methods
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 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 	<ul style="list-style-type: none"> ➤ 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 research findings.	Communication and utilization of Research <ul style="list-style-type: none"> • Communication of research findings • Verbal report • Writing research report • Writing scientific article/paper - Critical review of published research - Utilization of research findings 	<ul style="list-style-type: none"> ➤ Lecture Discussion ➤ Read/Presentations of sample published / unpublished research report. ➤ Writing group research project 	Short answer Objective type Oral presentation Assessment of group research Project.

Nursing Research & Statistics

Recommended Books:

- 1.) Polit – Nursing Research ,2007,LWW
- 2.) Polit – Essentials of Nursing Research ,2009,LWW
- 3.) Basvanthappa – Nursing Research, Jaypee Publications

Reference Books:

- 1.) Kothari – Research Methodology,2007,Newage Publishers

- 2.) Jagadeesh – Bio Medical Research, 2009, WoltersKluwer.
- 3.) Macnee – Understanding Nursing Research,2007,LWW
- 4.) Burns – Practice of Nursing Research ,2009,Elsevier
- 5.) Plitcha – Statistics for Nursing & allied Health Sciences, Lippincott.
- 6.) Munro – Statistical Method for Healthcare Research ,2006

Management of Nursing Services and Education

Placement: Fourth year

Theory - 90 Hours

Course Description: This course is designed to enable students to acquire understanding of management of clinical and community health nursing services, nursing educational programmes. This is also designed to enable students to acquire understanding of the professional responsibilities, prospects and contribution to the growth of the profession.

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
I	4		<ul style="list-style-type: none"> ➤ Explain the principles and functions of management 	<p>Introduction to management in nursing</p> <ul style="list-style-type: none"> • Definition, concepts and theories • Functions of management • Principles of Management • Role of Nurse as a manager 	<ul style="list-style-type: none"> ➤ Lecture ➤ Discussion ➤ Explain using organization chart 	<ul style="list-style-type: none"> ➤ Short answers
II	5		<ul style="list-style-type: none"> ➤ Describe the elements and process of management 	<p>Management process Planning; mission, philosophy, objectives, operational plan Staffing: philosophy, staffing study, norms, activities, patient classification systems, scheduling Human resource management; recruiting, selecting, deployment, retaining, promoting, superannuation etc Budgeting: concept, principles, types, cost benefit analysis, audit Material management: equipment and supplies</p>	<ul style="list-style-type: none"> ➤ Lecture ➤ Discussion ➤ Simulated Exercises ➤ Case studies 	<ul style="list-style-type: none"> ➤ Essay type ➤ Short answers

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
				Directing process (Leading) Controlling: Quality management Program Evaluation Review Technique (PERT), Benchmarking, Activity Plan (Gantt Chart),		
III	8	20	Describe the Management of nursing services in the hospital and Community	Management of nursing services in the hospital and Community <ul style="list-style-type: none"> • Planning: Hospital and patient care units including ward management Emergency and disaster management • Human resource management: Recruiting, selecting, deployment, retaining, promoting, superannuation etc • Categories of nursing personnel including job description of all levels • Patient/population classification systems Patients/population assignment and Nursing care responsibilities • Staff development and welfare 	Lecture Discussion Demonstration Simulated Exercises Case studies Supervised practice in ward- writing indents, preparing duty roaster, ward supervision Assignment on duties and responsibilities of ward sister Writing report	Essay type Short answers Assessment of problem solving exercises, Assessment of the assignments Performance evaluation by ward sister with rating scale

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
				Budgeting: proposal, projecting requirements for staff, equipments and supplies for 1-hospital and patient care units <ul style="list-style-type: none"> • Emergency and disaster management Material Management; procurement, inventory control, auditing and maintenance in Hospital and patient care units <ul style="list-style-type: none"> • Emergency and disaster management Directing and leading: delegation, participatory management <ul style="list-style-type: none"> • Assignments, rotations, delegations • Supervision & guidance • Implement Standards, policies, procedures and practices • Staff development and welfare • Maintenance of discipline Controlling / Evaluation: <ul style="list-style-type: none"> • Nursing Rounds/Visits, Nursing protocols, Manuals 		

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
				a Quality Assurance Model, documentation - a Records and reports Performance appraisal		
IV	10		Describe the concepts, theories and techniques of Organizational behaviour and human relations	Organizational behaviour and human relations <ul style="list-style-type: none"> • Concepts and theories of organizational behaviours • Review of Channels of communication • Leadership styles • Review of Motivation; concepts and theories • Group dynamics • Techniques of; a Communication; and • Interpersonal relationships • Human relations; • Public relations in context of nursing • Relations with professional associations and employee unions and Collective bargaining 	Lecture Discussion Role plays Group games Self assessment Case discussion Practice Session	Essay type Short answers Assessment of problem solving
V	5	5	Participate in planning and organizing in service education program	In service education <ul style="list-style-type: none"> • Nature & scope of in-service education program, • Organization of in service education • Principles of adult learning, • Planning for in-service education program, techniques, methods & evaluation of staff education program • Preparation of report 	Lecture Discussion Plan & conduct an educational session for in service nursing personnel	Short Answer Objective type Assess the planning & conduct of the educational session

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
VI	15		Describe management of Nursing educational institutions	Management of nursing educational institutions <ul style="list-style-type: none"> • Establishment of Nursing educational institution-INC norms and guidelines • Co-ordination with • Regulatory bodies • Accreditation • Affiliation - Philosophy! objectives - Organization • Structure • Committees - Physical facilities • College/School • Hostel - Students • Selection • Admission • Guidance and Counseling • Maintaining discipline - Faculty and staff • Selection • Recruitment • Job description • Placement • Performance appraisal • Development and welfare Budgeting Equipments and supplies: audio visual equipments, laboratory equipment, books, journals etc Curriculum; Planning, implementation and evaluation,	Lecture Discussion Role plays Counseling session Group Exercises	Essay type Short answers

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
				Clinical facilities Transport facilities Institutional Records and reports administrative, faculty, staff and students		
VII	15		Describe the ethical and legal responsibilities of a professional nurse. Explain the nursing practice standards	Nursing as a profession Nursing as a profession <ul style="list-style-type: none"> • Philosophy; nursing practice • Aims and objectives • Characteristics of a professional nurse • Regulatory bodies; INC. SNC Acts; - constitution, functions • Current trends and issues in Nursing Professional ethics <ul style="list-style-type: none"> • Code of ethics; INC, • Code of Professional conduct; INC, ICN Practice standards for Nursing; INC Consumer protection act Legal Aspects in Nursing <ul style="list-style-type: none"> • Legal terms related to practice; registration and licensing • Laws related to nursing practice; Breach and penalties • Malpractice and negligence ICN	Lecture Discussion Case discussion Panel discussion Role plays Critical incidents Visit to INC/SNRCS	Short answers Assessment of critical incidents
VIII	3		Explain the various opportunities	Professional Advancement: Continuing education	Lecture Discussion Review! Presentation of published articles	Short answers

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment methods
	T	P				
			for professional advancement	Career Opportunities Collective bargaining Membership with Professional organizations; National. and International Participation in research activities Publications; Journals, Newspapers etc.	Group work on maintenance of bulletin board	

Nursing Management

Recommended Books:

- 1.) Barrett – Ward Management and Teaching, 1995, Konark Publishing.
- 2.) Marquis – Leadership Roles & Management Functions in Nursing, 2008, LWW
- 3.) Basavanthappa – Nursing Administration, 2009, Jaypee.

Reference Books:

- 1.) Huber – Nursing Management & Leadership ,2008,Elsevier
- 2.) Marriner – Guide to Nursing management ,2008,Elsevier
- 3.) Powell – Case Management,2009,LWW
- 4.) Ellis – Managing and coordinating Nursing,2009,WK

