

Sardar Patel University

Vallabh Vidyanagar – 388120

Gujarat



Regulation and Syllabus for Bachelor in Science of Nursing (Basic) 2014 -2015

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PHILOSOPHY

(Adapted from Indian Nursing Council) :

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, behavioural 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 behaviour 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 and 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 the four year B.Sc. Nursing program the graduates will be able to :

1. Apply knowledge from physical, biological and behavioural 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 group.
4. Demonstrate critical thinking skill in making decisions in all situations in order to provide quality care.
5. Utilize 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.

SARDAR PATEL UNIVERSITY

FACULTY OF MEDICINE

BASIC B.Sc NURSING (FOUR YEAR COURSE)

The University will abide by the rules and regulations in regards to Admission, Vacations, Examination and Clinical Experience as laid down by the syllabi of Indian Nursing council.

REGULATION FOR COURSE IN BASIC B.SC. NURSING :

- 1 **Admission Requirements** - A candidate seeking admission to the Basic B.Sc. Nursing course which is of Four years duration must have passed the Higher Secondary Examination (10+2) Board with Group 'B' or Group 'AB' or an examination recognized as equivalent thereto and must have attained the age of 17 years on or before 31st Decender of the year of admission. ***Students will be admitted through the central admission committee & Candidate should be medically fit.***
- 2 **Vacation** - Students will be eligible for 6 weeks vacation, 2 weeks sick leave and Gazetted holidays as per Institute rule per annum which should be counted towards the period of training. The rules regarding leave for staff should not apply to students whose vacation should be planned as far as possible in the interest of the student's education rather than need of the hospital services.
 - 2.1 Any other extra leave taken by the student should be made up before examination. In case of sickness, students should produce a medical certificate from her treating doctor for leave and which should be counted from allotted vacation period.
- 3 No candidate will be admitted to any examination in the Basic B.Sc Nursing unless certified by the Principal of the College of Nursing:
 - 3.1 That she has attended the course of the study not less than **80% of the formal instruction (Theory class)** given on each subject at the nursing college recognized for teaching course of study in Basic B.Sc. Nursing by the University.
 - 3.2 That she has undergone **100% practical training** prescribed in the syllabus separately during the year for the examination.
 - 3.3 That before appearing for the final examination of First year, Second year, Third year, Fourth year and Internship period (Integrated Practice), she has passed the institutional tests in all the subjects of the concerned year.
 - 3.4 **A student will have to procure minimum 13 marks out of 25 to pass internal assessment in all the subjects of the concerned year to be eligible to appear for the final university examination. Internal assessment will be done by holding 4 unit tests of 25 each marks and 2 Internal Examinations of 75 marks in Seven Theory Papers in F.Y. B.Sc. (N), Five Theory Papers in S.Y. B.Sc. (N), Three Theory Papers in T.Y. B.Sc. (N) and Four Theory Papers in Final Year B.Sc. (N) and various clinical activities of 100 marks in one practical in F.Y. B.Sc. (N), one practical in S.Y. B.Sc. (N), three practicals each of 50 marks in T.Y. B.Sc. (N) and Two practicals each of 50 marks in Final Year B.Sc. (N).**
 - 3.5 **A student failing in Internal Assessment will not be eligible to appear for university examination in that particular paper / practical. She will have to repeat the First term of that particular year and successfully complete and pass the internal to be eligible to appear for that particular paper / practical for the next University Supplementary Examination.**

- 4 A student will be eligible to appear for examination if -
 - 4.1 She has completed not less than eleven months of the course and that her total performance has been satisfactory during that period.
 - 4.2 She has attended 80% of the formal instruction given in each subject and 100% Clinical experience separately during the year but the degree shall not be awarded until the student fulfils the clinical requirement as prescribed by the Indian Nursing Council.
 - 4.3 Her record of practical experience must be up to date.
 - 4.4 The Principal of the College of Nursing has sent Internal Marks for each theory paper as well as practicals to the University prior to university examination.
 - 4.5 A candidate must pass in internal examinations to be eligible to appear for university examination. (As mentioned in Rule No. 3.5)
- 5 Candidates desirous of appearing at any examination for Basic B.Sc. Nursing must forward their applications in the prescribed form to the Registrar through the Principal of College of Nursing on or before the date prescribed for the purpose along with prescribed examination fees under the relevant ordinances.
- 6 The university will hold examination for all the subjects i.e. First year, Second year, Third year and Fourth year approximately in the month of July and February.
- 7 For the purpose of deciding final result the ratio between the internal assessment and the external assessment for the University Examination will be 25 : 75. For the purpose of internal marks, internal assessment of every student will be assessed throughout her training period i.e. First year, Second year, Third year and Fourth year of studies by holding regular tests and internal exams in various subjects.
 - 7.1 Assessment will also be done through assignment of case study, case presentation, health teaching, clinical teaching, observation reports, drug study and Nursing care plan etc. when she is working in the clinical field.
- 8 No candidate will be allowed to reappear for any paper of the course once passed by her.
- 9 No Candidate will be declared successful at the degree course Basic B.Sc Nursing unless she passes in all the subjects prescribed for First year, Second year, Third year and Fourth year Examinations.
 - 9.1 A candidate has to procure minimum 40% marks for passing in English subject.
 - 9.2 Theory and Practical examinations for Introduction to Computer will be conducted by the College and marks will be submitted to the University for inclusion in the marks sheet.
 - 9.3 A candidate has to procure minimum 50% marks in each Theory and Practical examinations separately.
 - 9.4 A candidate has to pass in theory and practical examinations separately in each of the paper / practical for promotion to the next year.
 - 9.5 If a candidate fails in either theory or practical examination, she has to re-appear for both theory and practical.

- 9.6 If a student fails only in one theory paper she will be allowed ATKT (i.e. will be promoted to next year) but she will have to appear for supplementary examination held subsequently in the failed subject in the same year and unless she does not clear the subject will not be allowed to appear for next annual examination.
- 9.7 If a student fails in more than two theory papers and practicals, she will not be promoted to next year and she will have to clear these examinations to be eligible for promotion to the next year.
- 10 **The scheme of examination** for First year, Second year, Third year and Fourth year examinations is shown in the following table.

PAPER	SUBJECT	DURATION IN HOURS	INTERNAL MARKS	EXTERNAL MARKS	TOTAL MARKS
First Year -					
1	Anatomy and Physiology	3	25	75	100
2	Nutrition and Bio-chemistry	3	25	75	100
3	Nursing Foundation	3	25	75	100
4	Psychology	3	25	75	100
5	Microbiology	3	25	75	100
6	English *	3	25	75	100
7	Introduction to Computer **		25	75	100
Practical & Viva					
1	Nursing Foundation		100	100	200
Second Year -					
8	Sociology	3	25	75	100
9	Medical Surgical Nursing - I	3	25	75	100
10	Pharmacology, Pathology & Genetics	3	25	75	100
11	Community Health Nursing - I	3	25	75	100
12	Communication and Educational Technology	3	25	75	100
Practical & Viva					
2	Medical - Surgical Nursing - I		100	100	200
Third Year -					
13	Medical - Surgical Nursing - II	3	25	75	100
14	Child Health Nursing	3	25	75	100
15	Mental Health Nursing	3	25	75	100

Practical & Viva					
3	Medical - Surgical Nursing - II		50	50	100
4	Child Health Nursing		50	50	100
5	Mental Health Nursing		50	50	100
Fourth Year -					
16	Midwifery & Obstetrical Nursing	3	25	75	100
17	Community Health Nursing - II	3	25	75	100
18	Nursing Research & Statistics	3	25	75	100
19	Management of Nursing Service and Education.	3	25	75	100
Practical & Viva					
6	Midwifery & Obstetrical Nursing		50	50	100
7	Community Health Nursing		50	50	100

Note : * Qualifying Examination

** College Examination (Not University Examination).

N.B. -

- Teaching of Anatomy, Physiology, Pharmacology and Pathology will be integrated with clinical subjects.
- A minimum of 80 % attendance in theory and practical / clinical in each subjects is essentials for appearing in the examinations.
- 100 % attendance in practical / clinical in each clinical area is essential before awarding of degree.
- 50 % of minimum marks in each theory and practical paper separately is required for passing.
- A candidate has to secure minimum of 40% in qualifying examination for passing.

11 STANDARD OF PASSING -

11-A To pass the First Year ,Second Year, Third Year and Fourth Year Examination, a candidate must obtain at least 50% marks in each subject at the institutional test and at the University Examination.

No Grace marks will be granted in the Internal Examination.

A candidate has to secure minimum of 40 % in English & 50 % in computer for passing the first year.

11-B **AWARDING OF CLASS -**

Awarding of class shall be graded on the aggregate marks of the Four years programme as follows :

- Distinction - 80 % and above
- First Division - 70 % - 79.9 %
- Second Division - 60 % - 69.9 %
- Pass Class - 50 % - 59.9 %

11-C **SUPPLEMENTARY EXAMINATIONS -**

University may hold supplementary examination after six months of the annual examination.

- C-1 If a student fails in one theory examination, she may be promoted to next year of the study. She will have to reappear for a supplementary examination held subsequently in the failed Paper and pass it to be eligible to appear for the next year examination.
- C-2 After second failure in the same paper, the student may be relieved from the college at the discretion of the college authorities and appear for next examination subsequently and clear it.
- C-3 If a candidate fails in more than one theory and or practicals shall repeat the whole year.
- C-4 If a candidate fails in either theory or practical, she will have to re-appear for both Theory as well as Practical.
- C-5 A candidate will be allowed to appear for One Annual examination and Two supplementary examination each year.

11-D **PRACTICAL EXAMINATION -**

- D-1 Practical examination in First Year ,Second Year, Third year and Fourth year should be preferably conducted by the same college in the respective clinical area.
- D-2 Practical examination will be conducted Jointly by Two Examiners having M.Sc (N) in the concerned subject with minimum 3 years of teaching experience. (One Nurse Examiner will be from the parent college and other will be nominated by the university)
- D-3 Not more than 20 students should be examined per day.

11-E **EXAMINATION -**

University shall hold an Annual Examination and may hold a Supplementary Examination after Six month of the Annual examination for each year of study.

11-E-1 FIRST YEAR EXAMINATION -

- a) A student will be allowed to appear for the First Year Annual Examination as per eligibility conditions laid down by Indian Nursing Council. (*Page No. 8-9 of the Basic B.Sc. Nursing Syllabus*).
- b) If a student fails in one theory examination of first year course, she may be promoted to next year for the study. (ATKT) She will have to reappear for a supplementary examination held subsequently in the failed Paper.
- c) In the Supplementary examination, if she fails to clear the failed subject she will be allowed to reappear in the failed subject along with the second year examination.
- d) After a second failure, a student may continue at the discretion of Institutional authorities and may appear in the next examination subsequently.
- e) If a student fails in more than one theory paper, she will have to repeat the first year course of study for one academic year and will then be eligible for the second year.

11-E-2 SECOND YEAR EXAMINATION -

- a) A student will be allowed to appear for the Second Year Annual Examination as per eligibility conditions laid down by Indian Nursing Council. (*Page No. 8-9 of the Basic B.Sc. Nursing Syllabus*).
- b) If a student fails in one theory examination of SY course, she may be promoted to next year for the study. (ATKT) She will have to reappear for a supplementary examination held subsequently in the failed Paper.
- c) In the Supplementary examination, if she fails to clear the failed subject she will be allowed to reappear in the failed subject along with TY Examination.
- d) After a second failure, a student may continue at the discretion of Institutional authorities and may appear in the next examination subsequently.
- e) If a student fails in more than one theory paper, She will have to repeat the Second Year course of study for one academic year and will then be eligible for the Third Year.

11-E-3 THIRD YEAR EXAMINATION -

- a) A student will be allowed to appear for the Third Year Annual Examination as per eligibility conditions laid down by Indian Nursing Council. (*Page No. 8-9 of the Basic B.Sc. Nursing Syllabus*).
- b) If a student fails in one theory examination of TY course, she may be promoted to next year for the study. (ATKT) She will have to reappear for a supplementary examination held subsequently in the failed Paper.
- c) In the Supplementary examination, if she fails to clear the failed subject she will be allowed to reappear in the failed subject along with Fourth Year Examination.
- d) After a second failure, a student may continue at the discretion of Institutional authorities and may appear in the next examination subsequently.

- e) If a student fails in more than one theory paper, she will have to repeat the Third Year course of study for one academic year and will then be eligible for the Fourth Year.

11-E-4 **FOURTH YEAR EXAMINATION -**

- a) A student will be allowed to appear for the Fourth Year Annual Examination as per eligibility conditions laid down by Indian Nursing Council. (*Page No. 8-9 of the Basic B.Sc. Nursing Syllabus*)
- b) If a student fails in one theory examination of Fourth year course, She will have to reappear for a supplementary examination held subsequently in the failed Paper.
- c) In the Supplementary examination, if she fails to clear the failed subject she will be allowed to reappear again in the failed subject.
- d) If a student fails in more than one theory paper, she will have to repeat the Fourth year course of study and will be eligible for the Fourth year annual examination in which she failed.

12 **SUBJECT OUTLINES -**

- 12.1 A student will be studying as per the revised syllabi of Indian Nursing Council for the Basic B.Sc. Nursing examination. Attached herewith circular of INC/22-8-2006 and Copy of Syllabi of Basic B. Sc. (N) course.
- 12.2 If any amendment will be made by the Indian Nursing Council in future, it will be implemented by the Principal of College of Nursing with immediate effect.

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	Speak and 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 * Class room conversion * Exercise on use of grammar * Practice in public speaking 	<ul style="list-style-type: none"> * Objective type * Fill in the blanks * Paraphrasing
II	30	Develop ability to read, understand and express meaningfully the prescribed text	<ul style="list-style-type: none"> * Read and comprehend prescribed course books 	<ul style="list-style-type: none"> * Exercise on - Reading - Summarizing - Comprehension 	<ul style="list-style-type: none"> * Short Answers * Essay Types
III	10	Develop writing skills	<ul style="list-style-type: none"> * Various forms of Composition : <ul style="list-style-type: none"> ▪ Letter writing ▪ Note taking ▪ Precise writing ▪ Nurses notes ▪ Anecdotal records ▪ Diary writing ▪ Reports on health problems etc. ▪ Resume / CV 	<ul style="list-style-type: none"> * Exercises on writing : <ul style="list-style-type: none"> - Letter writing - Nurses Notes - Precise - Diary - Anecdote - Health problems - Story writing - Resume / CV * Essay Writing - Discussion on written reports/ documents 	<ul style="list-style-type: none"> * Assessment of the skills based on the check list.
IV	6	Develop skill in spoken English	<ul style="list-style-type: none"> * Spoken English <ul style="list-style-type: none"> ▪ Oral report ▪ Discussion ▪ Debate ▪ Telephonic Conversation 	<ul style="list-style-type: none"> * Exercise on : <ul style="list-style-type: none"> - Debating - Participating in Seminar, panel, 	<ul style="list-style-type: none"> * Assessment of the skills based on the check

				symposium - Telephonic Conversation	list.
V	4	Develop skill in listening comprehension	* Learning Comprehension <ul style="list-style-type: none"> ▪ Media, audio, video, speeches etc. 	* Exercise on: - Listening to audio, video tapes and identify the key points	* Assessment of the skills based on the check list.

Anatomy

Placement – First year

Time-Theory – 60 hours

Course Description - The course is designed to enable students to acquire knowledge of the normal structure of various human body systems and understand the alterations in anatomical structures in disease and 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 & formation. * Membranes and glands – classification and structure Alterations in disease Applications and implications in 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 and structure Alterations in disease Applications and implications in nursing	* Lecture discussion * Explain using charts, skeleton, loose bones and joints * Record book	- Short answer questions - Objective type
III	7	Describe the structure and function of muscles	The Muscular System : * Types and structure of muscles * Muscle groups Alterations in disease Applications and implications in nursing	* Lecture discussion * Explain using chart, models and films * Demonstrate muscular movements * Record book	- Short answer questions - Objective type
IV	6	Describe the structure & function of nervous system	The nervous System : * Structure of neuroglia & neurons * Somatic Nervous System - structure of brain, spinal cord, cranial nerves, spinal nerves, peripheral nerves * Autonomic Nervous System – Sympathetic & parasympathetic - Structure, location Alterations in disease	* Lecture discussion * Explain using models, charts, slides, specimens * Record book	- Short answer questions - Objective type

			Applications and implications in nursing		
V	6	Explain the structure & functions of sensory organs	The Sensory Organs : * Structure of skin, eye, ear, nose tongue (Auditory and Olfactory apparatus) Alterations in disease Applications and implications in nursing	* Lecture discussion * Explain using models, charts, slides, specimens * Record book	- Short answer questions - Objective type
VI	7	Describe the structure & function of circulatory and lymphatic system	Circulatory and Lymphatic system : * Circulatory System <ul style="list-style-type: none"> ▪ Blood – Microsoft structure ▪ Structure of Heart ▪ Structure of blood vessels - Arterial & Venous System ▪ Circulation - Systemic, pulmonary, coronary * Lymphatic System <ul style="list-style-type: none"> ▪ Lymphatic vessels & lymph ▪ Lymphatic tissues <ul style="list-style-type: none"> - Thymus gland - Lymph nodes - Spleen - Lymphatic tissues Alterations in disease Applications and implications in nursing.	* Lecture discussion * Explain using models, charts, slides, specimens * Record book	- Short answer questions - Objective type
VII	5	Describe the structure & functions of respiratory system.	The Respiratory System : * Structure of the organs of respiration * Muscles of respiration - Intercostals and Diaphragm Alterations in disease Applications and implications in nursing	* Lecture discussion * Explain using models, torso, charts slides, specimens * Record book	- Short answer questions - Objective type
VIII	6	Describe the structure & functions of digestive system.	The Digestive System : * Structure of Alimentary tract and accessory organs of digestion Alterations in disease Applications and implications in nursing	* Lecture discussion * Explain using models, torso, charts slides, specimens * Record book	- Short answer questions - Objective type
IX	4	Describe the structure & functions of excretory system	The Excretory system (Urinary) : * Structure of organs of urinary system - Kidney, Ureters, urinary, bladder, urethra, * Structure of skin Alterations in disease Applications and implications in nursing	* Lecture discussion * Explain using models, torso, charts slides, specimens * Record book	- Short answer questions - Objective type

X	4	Describe the structure & functions of endocrine system	The Endocrine system : * Structure of Pituitary, Pancreas, thyroid, Parathyroid, thymus and adrenal glands Alterations in disease Applications and implications in nursing	* Lecture discussion * Explain using models, torso, charts slides, specimens * Record book	- Short answer questions - Objective type
XI	4	Describe the structure & functions of reproductive system	The Reproductive system including breast : * Structure of female reproductive organs * Structure of male reproductive organs * Structure of breast Alterations in disease Applications and implications in nursing	* Lecture discussion * Explain using models, torso, charts slides, specimens * Record book	- Short answer questions - Objective type

Physiology

Placement – First Year

Time - 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	Describe the physiology of cell, tissues, membranes and glands	Cell Physiology : * Tissue - formation, repair * Membranes & glands - functions Alterations in disease Applications and implications in nursing	* Lecture discussion	- Short answer questions - Objective type
II	4	Describe the bone formation and growth and movements of skeleton system	Skeletal System : * Bone formation & growth * Bones – Functions and movements of bones of axial and appendicular skeleton, bone healing * Joints and joint movement Alterations in disease Applications and implications in nursing	* Lecture discussion * Explain using charts, models and films * Demonstration of joint movements	- Short answer questions - Objective type
III	4	Describe the muscle movements and tone and demonstrate muscle contraction and tone	Muscular System : * Muscle movements, Muscle tone, Physiology of muscle contraction, levels and maintenance of posture Alterations in disease Applications and implications in nursing	* Lecture discussion * Explain using Charts, models, slides, specimen and films * Demonstration of muscle movements, tone and contraction	- Short answer questions - Objective type
IV	7	Describe the physiology of nerve stimulus, reflexes, brain, cranial and spinal nerves * Demonstrate reflex action and	Nervous System : * Functions of Neuroglia & neurons * Stimulus & nerve-impulse - definitions and mechanism * Functions of brain, spinal cord, cranial and spinal nerves * Cerebro spinal fluid-composition, circulation and function * Reflex arc, Reflex action and reflexes * Autonomic functions – ▪ Pain-somatic, visceral and referred	* Lecture discussion * Explain using, Charts, models and films * Demonstrate nerve stimulus, reflex action, reflexes	- Short answer questions - Objective type

		stimulus	<ul style="list-style-type: none"> ▪ Autonomic learning and biofeedback <p>Alterations in disease Applications and implications in nursing</p>		
V	8	Describe the physiology of blood and functions of Heart Demonstrate blood cell count, coagulation, grouping, Hb, BP and Pulse monitoring	<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 * <p>Demonstration of Blood cell count, coagulation, grouping, Haemoglobin estimation, Heart conduction system.</p> <ul style="list-style-type: none"> * Measurement of pulse, BP 	<ul style="list-style-type: none"> - Short answer questions - Objective type
VI	6	Describe the physiology and mechanisms of respiration Demonstrate spirometry	<p>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 * <p>Demonstration of spirometry</p>	<ul style="list-style-type: none"> - Short answer questions - Objective type
VII	6	Describe the Physiology of digestive system Demonstrates BMR	<p>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 * <p>Demonstration of BMR</p>	<ul style="list-style-type: none"> - Short answer questions - Objective type
VIII	5	Describe the Physiology of excretory system	<p>Excretory System :</p> <ul style="list-style-type: none"> * Functions of kidneys, ureters, urinary bladder & urethra * Composition of urine * Mechanism of urine formation * Functions of skin * Regulation of body temperature * Fluid and electrolyte balance 	<ul style="list-style-type: none"> * Lecture discussion * Explain using Charts, films 	<ul style="list-style-type: none"> - Short answer questions - Objective type

			Alterations in disease Applications and implications in nursing.		
IX	4	Describe the physiology of sensory organs	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	Endocrine Glands : * 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	Reproductive System : * Reproduction of cells – DNA, Mitosis, Meiosis, spermatogenesis, oogenesis. * Functions of female reproductive organs, Functions 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 & Immunological System : * Circulation of lymph * Immunity - <ul style="list-style-type: none"> ▪ Formation of T-cells and B cells ▪ Types of Immune response ▪ Antigens ▪ Cytokines ▪ Antibodies 	* Lecture discussion * Explain using Charts, films	- Short answer questions - Objective type

Nutrition

Placement: First Year

Time: Theory 60 hours

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

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
	Th	Pr.				
I	4		Describe the relationship between nutrition & Health	Introduction : * Nutrition: ▪ History ▪ Concepts * Role of nutrition in maintaining health * Nutritional problems in India * National nutritional policy * Factors affecting food and nutrition: socio-economic, cultural, tradition, production, system of distribution, life style and food habits etc. * Role of food and its medicinal value * Classification of foods * Food standards * Elements of nutrition: macro and micro * Calorie, BMR	* Lecture Discussion * Explaining using charts * Panel discussion	- Short answer questions - Objective type
II	2		Describe the classification, functions, sources and recommended daily allowances (RDA) of carbohydrates	Carbohydrates : * Classification * Calorie Value * Recommended daily allowances * Dietary sources * Functions * Digestion, absorption and storage, metabolism of carbohydrates * Malnutrition: Deficiencies and Over consumption	* Lecture discussion * Explaining using charts	- Short answer questions - Objective type
III	2		Describe the classification, functions, sources and recommended daily allowances (RDA) of	Fats : * Classification * Caloric value * Recommended daily allowances * Dietary sources * Functions * Digestion, absorption and	* Lecture discussion * Explaining using charts	- Short answer questions - Objective type

			Fats	storage, metabolism * Malnutrition: Deficiencies and over consumption		
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	Vitamins : * Classification * Recommended daily allowances * Dietary sources * Functions * Absorption, synthesis, metabolism, storage and excretion * Deficiencies * Hypervitaminosis	* Lecture discussion * Explaining using charts	- Short answer questions - Objective type
VII	4		Describe the classification, functions, sources and recommended daily allowances (RDA) of Minerals	Minerals : * Classification * Recommended daily allowances * Dietary sources * Functions * Absorption, synthesis, metabolism storage and excretion * Deficiencies * Over consumption and toxicity	* Lecture discussion * Explaining using charts	- Short answer questions - Objective type
VIII	3		Describe the sources, functions and requirements of Water & electrolytes	Water & electrolytes : * Water: Daily requirement, regulation of water metabolism, distribution of body water * Electrolytes: Types, sources, composition of body fluids * Maintenance of fluid &	* Lecture discussion * Explaining using charts	- Short answer questions - Objective type

				<p>electrolyte balance</p> <ul style="list-style-type: none"> * Over hydration, dehydration and water intoxication * Electrolyte imbalances 		
IX	5	15	<p>Describe the Cookery rules and preservation of nutrients</p> <p>Prepare and serve simple beverages and different types of foods</p>	<p>Cookery rules and preservation of nutrients :</p> <ul style="list-style-type: none"> * Principles, methods of cooking and serving <ul style="list-style-type: none"> ▪ 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	Describe and plan balanced diet for different categories of people	<p>Balanced diet :</p> <ul style="list-style-type: none"> * Elements * Food groups * Recommended Daily allowance * Nutritive value of foods * Calculation of balanced diet for different categories of people * Planning menu * Budgeting of food * Introduction to therapeutic diets: Naturopathy - diet 	<ul style="list-style-type: none"> * Lecture discussion * Explaining using charts * Practice session *Meal Planning 	<ul style="list-style-type: none"> - Short answer questions - Objective type - Exercise on menu planning
XI	4		<p>Describe various National Programmes related to nutrition</p> <p><u>Describe the role of nurse in assessment of nutritional status and nutrition education</u></p>	<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"> ▪ Vitamin A deficiency programme ▪ National iodine deficiency disorders (IDD) programme ▪ Mid-day meal programme ▪ Integrated child development scheme (ICDS) * National and International agencies working towards food/nutrition <ul style="list-style-type: none"> ▪ NIPCCD, CARE, FAO, NIN, CFTRI (Central food technology and research institute) etc. 	<ul style="list-style-type: none"> * Lecture Discussion * Explaining with slide / Film shows * Demonstration of Assessment of nutritional status 	<ul style="list-style-type: none"> - Short answer questions - Objective type

				* Assessment of nutritional status * Nutrition education and role of nurse		
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Biochemistry

Placement – First Year

Time: Theory –30 Hours

Course Description: The Course is designed to assist the students to acquire knowledge of the normal biochemical composition and functioning of human body and understand the alterations in biochemistry in diseases for practice of nursing.

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

			<p>cycle, Tricarboxylic acid (TCA) cycle</p> <ul style="list-style-type: none"> • Glycogenolysis • Pentose phosphate Pathways (Hexose mono phosphate) ▪ Regulation of blood glucose level <p>Investigations and their interpretations</p>		
IV	4	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, <p>Investigations and their interpretations</p>	<ul style="list-style-type: none"> * Lecture discussion using charts * Demonstration of laboratory tests 	<ul style="list-style-type: none"> - Short answer questions - Objective type
V	6	Explain the metabolism of Amino acids and Proteins	<p>Composition and metabolism of Amino acids and Proteins :</p> <ul style="list-style-type: none"> * Types, structure, composition and uses of Amino acids and Proteins * Metabolism of Amino acids and Proteins <ul style="list-style-type: none"> ▪ Protein synthesis, targeting and Glycosylation ▪ Chromatography ▪ Electrophoresis ▪ Sequencing * Metabolism of Nitrogen <ul style="list-style-type: none"> ▪ Fixation and Assimilation ▪ Urea Cycle ▪ Hemes and chlorophylls * Enzymes and co-enzymes <ul style="list-style-type: none"> ▪ Classification ▪ Properties 	<ul style="list-style-type: none"> * Lecture discussion using charts * Demonstration of laboratory tests 	<ul style="list-style-type: none"> - Short answer questions - Objective type

			<ul style="list-style-type: none"> ▪ Kinetics and inhibition ▪ Control <p>Investigations and their interpretations</p>		
VI	2	Describe types, composition and utilization of Vitamins & minerals	<p>Composition of Vitamins and minerals :</p> <p>* Vitamins and minerals:</p> <ul style="list-style-type: none"> ▪ Structure, Classification, Properties, Absorption ▪ Storage & transportation ▪ Normal concentration <p>* Investigations and their interpretation</p>	<p>* Lecture discussion using charts</p> <p>* Demonstration of laboratory tests</p>	<p>- Short answer questions</p> <p>- Objective type</p>
VII	3	Describe Immunology	<p>Immunochemistry :</p> <p>* Immune response,</p> <p>* Structure and classification of immunoglobins</p> <p>* Mechanism of antibody production</p> <p>* Antigens: HLA typing</p> <p>* Free radical and Antioxidants</p> <p>* Specialized Protein: Collagen, Elastin, Keratin, Myosin, Lens Protein.</p> <p>* Electrophoretic and Quantitative determination of immunoglobins – ELISA etc.</p> <p>Investigations and their interpretations</p>	<p>* Lecture discussion using charts</p> <p>* Demonstration of laboratory tests</p>	<p>- Short answer questions</p> <p>- Objective type</p>

Nursing Foundations

Placement: First Year

Time: Theory - 265 hours
Practical - 650 hours
(200 lab and 450 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 : * 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, Primary Care, Diagnosis, Treatment, Rehabilitation and Continuing Care * Health care teams * Types of health care agencies * Hospitals: Types, Organisation and Functions * Health Promotion and Levels of Disease Prevention * Primary Health care and its delivery: Role of nurse	* Lecture discussion * Visit to health care agencies	- Essay type - Short answer questions - Objective type
II	16	Explain concept and scope of nursing Describe values, code of ethics and professional conduct for nurses in India	Nursing as a profession : * Definition and Characteristics of a profession * Nursing : <ul style="list-style-type: none"> ▪ Definition, Concepts, philosophy, objectives ▪ Characteristics, nature and scope of nursing practice ▪ Functions of nurse ▪ Qualities of a nurse ▪ Categories of nursing personnel ▪ Nursing as a profession ▪ History of Nursing in India. 	* Lecture discussion * Case discussion * Role plays	- Essay type - Short answer questions - Objective type

			<p>* Values: Definition, Types, Values Classification and values in professional Nursing: Caring & Advocacy</p> <p>* Ethics:</p> <ul style="list-style-type: none"> ▪ Definition and Ethical Principles ▪ Code of ethics and professional conduct for nurses. 		
III	4	<p>Explain the admission and discharge procedure</p> <p>Performs admission and discharge procedure</p>	<p>Hospital admission and discharge :</p> <p>* Admission to the hospital</p> <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 <p>* Discharge from the hospital</p> <ul style="list-style-type: none"> ▪ Types: Planned discharge, LAMA and abscond, Referrals and transfers ▪ Discharge Planning ▪ Discharge procedure ▪ Special consideration ▪ Medico-legal issues ▪ Roles and Responsibilities of the nurse ▪ Care of the unit after discharge 	<p>* Lecture discussion</p> <p>* Demonstration</p> <p>* Lab Practice</p> <p>* Supervised Clinical practice</p>	<p>- Essay type</p> <p>- Short answer questions</p> <p>- Objective type</p> <p>- Assess skills with check list</p> <p>- Clinical practical examination</p>
IV	10	<p>Communicate effectively with patient, families and team members and maintain effective human relations (projecting professional image)</p> <p>Appreciate the importance</p>	<p>Communication and Nurse patient relationship :</p> <p>* Communication: Levels, Elements, Types, Modes, Process, Factors influencing Communication</p> <ul style="list-style-type: none"> ▪ Methods of Effective Communication, • Attending skills • Rapport building skills • Empathy skills ▪ Barriers to effective communication, <p>* Helping Relationship (NPR): Dimensions of Helping Relationships, Phase of a helping relationship</p> <p>* Communicating effectively with patient, families and team members and maintain effective human</p>	<p>* Lecture discussion</p> <p>* Role play and video film on the nurses interacting with the patient</p> <p>* Practice session on patient teaching</p> <p>* Supervised Clinical Practice</p>	<p>- Essay type</p> <p>- Short answer questions</p> <p>- Objective type</p>

		of patient teaching in nursing	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		
V	15	Explain the concept, uses, format and steps of nursing process Documents nursing process as per the format	The Nursing Process : * Critical Thinking and Nursing Judgement <ul style="list-style-type: none"> ▪ Critical Thinking: Thinking and Learning ▪ Competencies, Attitudes for Critical Thinking, Levels of critical thinking in Nursing * Nursing Process Overview: Application in Practice <ul style="list-style-type: none"> ▪ Nursing process format: INC, current format ▪ Assessment <ul style="list-style-type: none"> - Collection of Data : Types, Sources, Methods - Formulating Nursing Judgement: Data interpretation ▪ Nursing Diagnosis <ul style="list-style-type: none"> - Identification of client problems - Nursing diagnosis statement - Difference between medical and nursing diagnosis ▪ Planning <ul style="list-style-type: none"> - Establishing Priorities - Establishing Goals and Expected Outcomes - Selection of interventions : Protocols and standing Orders - Writing the Nursing Care Plan <ul style="list-style-type: none"> ▪ Implementation <ul style="list-style-type: none"> - Implementing the plan of care ▪ Evaluation <ul style="list-style-type: none"> - Outcome of care - Review and Modify ▪ Documentation and Reporting 	* Lecture discussion * Demonstration * Exercise * Supervised Clinical Practice	- Essay type - Short answer questions - Objective type
VI	4	Describe the purposes, types and	Documentation and Reporting : * Documentation : Purposes of Recording and reporting	* Lecture discussion * Demonstration	- Essay type - Short answer questions

		techniques of recording and reporting	<ul style="list-style-type: none"> * 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 <ul style="list-style-type: none"> • Minimizing legal Liability through effective record keeping 	<ul style="list-style-type: none"> * Practice Session * Supervised Clinical Practice 	- Objective type
VII	15	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 vital 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 ▪ Temperature alterations: Hyperthermia, Heatstroke, Hypothermia ▪ Hot and cold applications * Pulse: <ul style="list-style-type: none"> ▪ Physiology & Regulation, Characteristics of the pulse, Factors affecting pulse ▪ Assessment of the 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, 	<ul style="list-style-type: none"> * Lecture discussion * Demonstration * Practice * Supervised Clinical Practice 	<ul style="list-style-type: none"> - Essay type - Short answer questions - Objective type - Assess with check list and clinical practical examination

			<p>Characteristics of the blood pressure, Factors affecting blood pressure</p> <ul style="list-style-type: none"> ▪ Assessment of blood pressure: sites, equipments and technique, special considerations ▪ Alterations in blood pressure <p>Recording of vital signs</p>		
VIII	30	<p>Describe purpose and process of health assessment</p> <p>Describe the health assessment of each body system</p> <p>Perform health assessment of each body system</p>	<p>Health assessment :</p> <p>* Purposes</p> <p>* Process of Health assessment</p> <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 - General assessment - Assessment of each body system - Recording of health assessment 	<p>* Lecture discussion</p> <p>* Demonstration</p> <p>* Practice on simulators</p> <p>* Supervised Clinical Practice</p>	<p>- Essay type</p> <p>- Short answer questions</p> <p>- Objective type</p>
IX	5	<p>Identify the various machinery, equipment and linen and their care</p>	<p>Machinery, Equipment and linen :</p> <p>* Types: Disposables and reusable-Linen, rubber goods, glass ware, metal, plastics, furniture, machinery</p> <p>* Introduction</p> <ul style="list-style-type: none"> ▪ Indent ▪ Maintenance ▪ Inventory 	<p>* Lecture discussion</p> <p>* Demonstration</p>	<p>- Essay type</p> <p>- Short answer questions</p> <p>- Objective type</p>
X	60	<p>Describe the basic, physiological & psychological needs of patient</p> <p>Describe the principles and techniques for meeting basic,</p>	<p>Meeting needs of patient :</p> <p>* Basic needs (Activities of daily living)</p> <ul style="list-style-type: none"> ▪ Providing safe and clean environment: <ul style="list-style-type: none"> • Physical-environment: Temperature, Humidity, Noise, Ventilation, light, Odour, pests control • Reduction of physical hazards: fire, accidents • Safety devices: Restraints, side rails, airways, trapeze etc. 	<p>* Lecture discussion</p> <p>* Demonstration</p> <p>* Practice sessions</p> <p>* Supervised Clinical Practice</p>	<p>- Essay type</p> <p>- Short answer questions</p> <p>- Objective type</p> <p>- Assess with check list and clinical practical examination</p>

		<p>Physiological and psychosocial needs of patient</p> <p>Perform nursing assessment, plan, implement and evaluate the care for meeting basic, physiological and psychosocial needs of patient</p>	<ul style="list-style-type: none"> • 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, Equipment and linen, making patient beds ○ 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 needs - 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: 		
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			<p>Observation, urine testing</p> <ul style="list-style-type: none"> - Facilitating urine elimination: assessment, types, equipments, procedures and special considerations <ul style="list-style-type: none"> o Providing urinal/bed pan o Condom drainage o Perineal care o Catheterization o Care of urinary drainage o Care of urinary diversions o Bladder irrigation ▪ 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 <ul style="list-style-type: none"> o Passing of Flatus tube o Enemas o Suppository o Sitz bath o Bowel wash o Care of Ostomies ▪ Mobility and Immobility - Principles of Body Mechanics - Maintenance of normal body alignment 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 special considerations, rehabilitation aspects <ul style="list-style-type: none"> o Range of motion exercises 	
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			<ul style="list-style-type: none"> ○ Maintaining body alignment: Positions ○ Moving ○ Lifting ○ Transferring ○ Walking ○ Restraints ▪ Oxygenation <ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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 - Base Imbalances : assessment, types, equipment, procedure and special considerations ○ Measuring fluid intake and output ○ Correcting Fluid Electrolyte Imbalance: <ul style="list-style-type: none"> ➤ Replacement of fluids: Oral and Parenteral -Venipuncture, regulating IV flow rates, changing IV 		
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			<p>solutions and tubing, changing IV dressing,</p> <ul style="list-style-type: none"> ➤ 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 <ul style="list-style-type: none"> - Assist with coping and adaptation - Creating therapeutic environment ○ Recreational and diversional therapies 		
XI	20	Describe principles and techniques for infection control and biomedical waste management in Supervised Clinical settings	<p>Infection control in Clinical settings :</p> <ul style="list-style-type: none"> * Infection control <ul style="list-style-type: none"> ▪ Nature of infection ▪ Chain of infection transmission ▪ Defences against infection: Natural and acquired ▪ Hospital acquired infection (Nosocomial infection) * Concept of asepsis: medical asepsis, and surgical asepsis * Isolation precautions (Barrier nursing): <ul style="list-style-type: none"> ▪ Hand washing: simple hand antisepsis and surgical antisepsis (scrub) ▪ Isolation: source and protective ▪ Personal protecting equipments: types, uses and technique of wearing and removing ▪ Decontamination of equipment and unit ▪ Transportation of infected patients ▪ Standard safety precautions (Universal precautions) ▪ Transmission based 	<ul style="list-style-type: none"> * Lecture discussion * Demonstration * Practice session * Supervised Clinical practice 	<ul style="list-style-type: none"> - Essay type - Short answer questions - Objective type - Assess with check list and clinical practical examination

			<p>precautions</p> <p>* Biomedical waste management :</p> <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	40	<p>Explain the principles, routes, effects of administration of medication</p> <p>Calculate conversions of drugs and dosages within and between systems of measurements</p> <p>Administer drugs by the following routes-oral, Intradermal, Subcutaneous, Intramuscular, Intra Venous, Topical, & Inhalation</p>	<p>Administration of Medications :</p> <p>* General Principles/Considerations</p> <ul style="list-style-type: none"> ▪ Purposes of Medication ▪ Principles: 5 rights, Special Considerations, Prescriptions, Safety in Administering Medications and Medication Error ▪ Drugs forms ▪ Routes of administration ▪ Storage and maintenance of drugs and Nurses' responsibility ▪ Broad classification of drugs ▪ Therapeutic Effect, Side Effects, Toxic Effects, Idiosyncratic Reactions, Allergic Reactions, Drug Tolerance, Drug Interactions ▪ Factors influencing drug actions, ▪ Systems of Drug Measurement: Metric System, Apothecary System, Household Measurements, Solutions. ▪ Converting Measurements units: Conversions within one system, Conversion between systems, Dosage Calculation, ▪ Terminologies and abbreviations used in prescriptions of medications <p>* Oral Drugs Administration: Oral, Sublingual and Buccal : Equipment, procedure</p> <p>* Parenteral</p> <ul style="list-style-type: none"> ▪ General principles: Decontamination and disposal of syringes and needles 	<p>* Lecture discussion</p> <p>* Demonstration</p> <p>* Practice session</p> <p>* Supervised Clinical practice</p>	<p>- Essay type</p> <p>- Short answer questions</p> <p>- Objective type</p> <p>- Assess with check list and clinical practical examination</p>

			<ul style="list-style-type: none"> ▪ Types of parenteral therapies ▪ Types of syringes, needles, cannula, and infusion sets ▪ Protection from Needle-stick Injuries: Giving Medications with a safety syringes ▪ Routes of parenteral therapies <ul style="list-style-type: none"> - 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: epidural, intrathecal, intraosseous, intraperitoneal, intraplural, intra arterial - Role of nurse <p>* Topical Administration : purposes, site, equipment, procedure, special considerations for</p> <ul style="list-style-type: none"> ▪ Application to Skin ▪ Application to mucous membrane <ul style="list-style-type: none"> - 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 <p>* Inhalation: Nasal, oral, endotracheal/tracheal (steam, oxygen and medications) - purposes, types, equipment, procedure, special considerations</p> <ul style="list-style-type: none"> ▪ Recording and reporting of medications administered 		
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XIII	10	<p>Describe the pre and post operative care of patients</p> <p>Explain the process of wound healing</p> <p>Explain the principles and techniques of wound care</p> <p>Perform care of wounds</p>	<p>Meeting needs of Perioperative patients :</p> <ul style="list-style-type: none"> * Definition and concept of Perioperative Nursing * Preoperative Phase <ul style="list-style-type: none"> ▪ Preparation of patient for surgery * Intraoperative <ul style="list-style-type: none"> ▪ Operation theatre Set up and environment ▪ Role of nurse * Postoperative Phase <ul style="list-style-type: none"> ▪ Recovery unit ▪ Post operative unit ▪ Post operative 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 consideration <ul style="list-style-type: none"> ▪ Dressings, Suture Care, ▪ Care of Drainage ▪ Application of Bandages, Binders, Splints & Slings ▪ Heat and Cold Therapy 	<ul style="list-style-type: none"> * Lecture discussion * Demonstration * Practice session * Supervised Clinical practice 	<ul style="list-style-type: none"> - Essay type - Short answer questions - Objective type - Assess with check list and clinical practical examination
XIV	15	<p>Explain care of patients having alterations in body functioning</p>	<p>Meeting special needs of the patient :</p> <ul style="list-style-type: none"> * Care of patients having alteration in : <ul style="list-style-type: none"> o Temperature (hyper and hypothermia): Types, Assessment, Management o Sensorium (Unconsciousness): Assessment, Management o Urinary Elimination (retention and incontinence): Assessment, Management o Functioning of sensory organs: (Visual & hearing impairment) o Assessment of Self-Care ability o Communication methods and special considerations o Mobility (physically challenged, cast) assessment of Self-Care ability: 	<ul style="list-style-type: none"> * Lecture discussion * Case Discussions * Supervised Clinical practice 	<ul style="list-style-type: none"> - Essay type - Short answer questions - Objective type

			<p>Communication Methods and special considerations</p> <ul style="list-style-type: none"> o Mental state (mentally challenged), assessment of Self-Care ability; o Communication Methods and special considerations o Respiration (distress): Types, Assessment, Management o Comfort – (Pain) – Nature, Types, Factors influencing Pain, Coping, Assessment, Management; o Treatment related to gastrointestinal system : naso-gastric suction, gastric irrigation, gastric analysis 		
XV	5	Explain care of terminally ill patient	<p>Care of Terminally ill patient :</p> <ul style="list-style-type: none"> o Concepts of Loss, Grief, grieving Process o Signs of clinical death o Care of dying patient: special considerations <ul style="list-style-type: none"> • Advance directives: Euthanasia, will, dying declaration, organ donation etc. o Medico-legal issues o Care of dead body: equipment, procedure and care of unit o Autopsy o Embalming 	<ul style="list-style-type: none"> * Lecture discussion * Demonstration * Case discussion/ Role play * Practice session * Supervised Clinical practice 	<ul style="list-style-type: none"> - Essay type - Short answer questions - Objective type
XVI	6	Explain the basic concepts of conceptual and theoretical models of nursing	<p>Professional Nursing concepts and practices :</p> <ul style="list-style-type: none"> * Conceptual and theoretical models of nursing practice: Introduction of 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 	<ul style="list-style-type: none"> - Essay type - Short answer questions

		Maintain effective human relations	Prepare a plan for patient teaching session		with the checklist *Assessment of communication techniques by rating scale
		Develops plan for patient teaching.			
		Prepare patient reports	Write patient report * Change-of shift reports, Transfer reports, Incident reports etc.	* Write nurses notes and present the patient report of 2-3 assigned patient	*Assessment of performance with rating scale
		Presents reports	* Presents patient report		
		Monitor vital signs	Vital Signs * Measure, Records and interpret alterations in body temperature, pulse respiration and blood pressure	* Lab practice * Measure Vital signs of assigned patient	*Assessment of each skill with checklist *Completion of activity record
		Perform health assessment of each body system	Health assessment * Health history taking * Perform assessment: o General o Body system * Use various methods of physical examination * Inspection, Palpation, Percussion, Auscultation, Olfaction * Identification of system wise deviations		
		Provide basic nursing care to patients	Prepare Patient's unit: * Prepare beds: o Open, closed, occupied, operation, amputation, o Cardiac, fracture, burn, Divided, & Fowlers bed • Pain assessment and provision for comfort	* Practice in lab & hospital * Simulated exercise on CPR manikin	*Assessment of each skill with rating scale *Completion of activity record

			<p>Use comfort devices 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 Body Alignment and Mobility:</p> <ul style="list-style-type: none"> o Range of motion exercises o Positioning: Recumbent, Lateral (rt/lt), Fowlers, Sims, Lithotomy, Prone, Trendelenburg position o Assist patient in Moving lifting, transferring, walking, o 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>		
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			<p>Intravenous therapy</p> <p>Blood and blood component therapy</p> <p>Collect/assist for collection of specimens for investigations Urine, sputum, faeces, vomits, blood and other body fluids</p> <p>Perform lab tests: * Urine: sugar, albumin, acetone * Blood: sugar(with strip/ glucometer)</p> <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 of mentally challenged/disturbed patients Recreational and diversional therapies.</p> <p>Caring of patient with alteration in sensorium</p> <p>Infection control * Perform following procedures :</p> <ul style="list-style-type: none"> o Hand washing techniques o (Simple, hand antisepsis and surgical antisepsis (scrub) o Prepare isolation unit in lab/ward o Practice technique of wearing and removing Personal protective equipment (PPE) o Practice Standard safety precautions (Universal precautions) <p>Decontamination of equipment and unit:- * Surgical asepsis: o Sterilization</p>		
		* Perform infection control procedures		* Observation study - 2	* Assess observation study in checklist
				* Department of Infection control & CSSD	* Evaluate all procedures with checklist
				* Visits CSSD write observation report -1	
				* Collection of samples for culture	
				* Do clinical	

	100	<p>Provide care to pre and post operative patients</p> <p>Perform procedures for care of wounds</p> <p>Administer drugs</p> <p>Provide care to dying and dead Counsel and support relatives.</p>	<ul style="list-style-type: none"> o Handling sterilized equipment o Calculate strengths of lotions, o Prepare lotions • Care of articles <p>Pre and post operative care:</p> <ul style="list-style-type: none"> * Skin preparations for surgery : Local * Preparation of Post operative unit * Pre & Post operative teaching and counselling * Pre & Post operative monitoring * Care of the wound * Dressings, Suture Care, care of Drainage, Application of Bandages, Binders, splints & Slings * Bandaging of various body parts <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 mediations * Drug measurements and dose calculations * Preparation of lotions and solutions * Administer 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 <p>Care of dying patient</p> <ul style="list-style-type: none"> * Caring and packing of dead body * Counselling and supporting grieving relatives * Terminal care of the unit 	<p>postings in infection control department and write report</p> <p>* Practice in lab/ward</p>	
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Psychology

Placement: First Year

Time: Theory 60 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 : * History and origin of Science of Psychology * Definitions and scope of Psychology * Relevance to Nursing * Methods of Psychology	* Lecture Discussion	- Essay type - Short answer
II	4	Explain the Biology of Human behaviour	Biology of Behaviour : * Body mind relationship – modulation process in health and illness. * Genetics and behaviour : Heredity and Environment * Brain and behaviour: Nervous system, Neurons and synapse * Association cortex, Rt and Lt Hemispheres * Psychology of sensations * Muscular and glandular control of behaviour * Nature of behaviour of an organism/integrated responses	* Lecture Discussion	- Essay type - Short answer
III	20	Describe various cognitive processes and their application	Cognitive processes : * Attention: Types, determinants, duration and 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 * Thinking: Types and levels, stages of development, relationship with language and communication * Intelligence: Meaning,	* Lecture Discussion * Psychometric assessment * Practice sessions	- Essay type - Short answer

			classification, uses, theories * Aptitude: Concepts, types, individual differences and variability. * Psychometric assessments of cognitive processes * Alterations in cognitive processes * Applications		
IV	8	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 and stress <ul style="list-style-type: none"> o Emotions: Definition, components, changes in emotions, theories, emotional adjustments, emotions in health and illness. o Stress: stressors, cycle, effect, adaptation and coping * Attitude: Meaning, nature, development, factors affecting, <ul style="list-style-type: none"> o Behaviour and attitudes o Attitudinal change * Psychometric assessments of emotions and attitudes * Alterations in emotions * Applications	* Lecture Discussion * Role plays * Case discussion * Demonstration	- Essay type - Short answer
V	7	Explain the concepts of personality and its influence on behaviour	Personality : * Definitions, topography, types, Theories * Psychometric assessments of personality * Alterations in personality * Applications	* Lecture Discussion * Demonstration	- Essay type - Short answer
VI	7	Describe Psychology of people during the life cycle	Developmental Psychology : * 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	8	Describe the characteristics of mentally healthy person	Mental hygiene and Mental health : * Concepts of mental hygiene and mental health * Characteristics of mentally healthy person * Warning signs of poor mental	* Lecture Discussion * Role plays * Case discussion	- Essay type - Short answer

		Explain ego defence mechanisms	<p>health</p> <ul style="list-style-type: none"> * Promotive and Preventive mental health-strategies and services * Ego Defence mechanisms and implications * Personal and social adjustments * Guidance and counselling * Role of nurse 	* Demonstration	
VIII	4	Explain the Psychological assessments and role of nurse	<p>Psychological assessment & tests :</p> <ul style="list-style-type: none"> * Types, development, Characteristics, Principles, Uses, Interpretations and Role of nurse in psychological assessment 	<ul style="list-style-type: none"> * Lecture Discussion * Demonstration * Practice session 	- Assessment of practice

Microbiology

Placement: First Year

Time: Theory-60 Hours
(Theory 45+15 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 practising infection control measures in hospital and community settings.

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
	Th	Pr.				
I	5		Explain concepts and principles of microbiology and their importance in nursing	Introduction : * Importance and relevance to nursing * Historical perspective * Concepts and terminology * Principles of microbiology	* Lecture Discussion	- Short answers - Objective type
II	10	5	Describe structure, classification morphology and growth of bacteria Identify Micro-organisms	General characteristics of Microbes : * Structure and classification of Microbes * Morphological types * Size and form of bacteria * Motility * Colonization * Growth and nutrition of microbes <ul style="list-style-type: none"> o Temperature o Moisture o Blood and body fluids * Laboratory methods for Identification of Micro-organisms * Staining techniques, Gram staining, Acid fast staining, Hanging drop preparation * Culture; various medias	* Lecture Discussion * Demonstration	- Short answers - Objective type
III	10	2	Describe the methods of infection control Identify the role of nurse in hospital infection control programme	Infection Control : * Infection: Sources, portals of entry and exit, transmission * Asepsis * Disinfection: Types and methods * Sterilization: Types and methods * Chemotherapy and antibiotics * Standard safety measures * Biomedical waste management	* Lecture Discussion * Demonstration * Visits to CSSD * Clinical practice	- Short answers - Objective type

				<ul style="list-style-type: none"> * Role of Nurse * Hospital acquired infection * Hospital infection control programme <ul style="list-style-type: none"> o Protocols, collection of samples, preparation of report and status of rate of infection in the unit/hospital, nurse's accountability, continuing education, etc. 		
IV	12	4	Describe the different disease producing organisms	<p>Pathogenic organisms :</p> <ul style="list-style-type: none"> * Micro-organisms <ul style="list-style-type: none"> o Cocci – gram positive and gram negative o bacilli – gram positive and gram negative o Spirochaete o Mycoplasma o Rickettsiae o Chlamydiae * Viruses * Fungi-Superficial and Deep mycoses * Parasites * Rodents & vectors <p>Characteristics, Source, portal of entry, transmission of infection. Identification of disease producing micro-organisms. Collection, handling and transportation of various specimens</p>	<ul style="list-style-type: none"> * Lecture Discussion * Demonstration * Clinical practice 	<ul style="list-style-type: none"> - Short answers - Objective type
V	8	4	Explain the concept of immunity, hyper sensitivity and immunization	<p>Immunity :</p> <ul style="list-style-type: none"> * Immunity – Types, classification, * Antigen & antibody reaction * Hypersensitivity – skin test * Serological tests * Immunoprophylaxis <ul style="list-style-type: none"> o Vaccines & sera – Types & classification, storage and handling, cold chain o Immunization for various diseases o 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 application in Nursing.

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
	Th.	Pr.				
1	3		Identify & define various concepts used in computer Identify application of computer in nursing	Introduction : * Concepts of Computers * Hardware and software, trends and technology * Application of computers in nursing.	* Lecture Discussion * Demonstration	- Short answers - Objective type
II	6	20	Describe and Use the Disk Operating System Demonstrate skill in the use of MS Office	Introduction to disk operating system : o DOS o Windows (all version) * Introduction o MS-Word o MS-Excel with pictorial presentation o MS-Access o MS-Power point	* Lecture Discussion * Demonstration *Practice session	- Short answers - Objective type - Practical exam
III	2	3	Demonstrate skill in using multi-media Identify features of computer aided teaching and testing	Multimedia : types & uses * Computer aided teaching & testing	* Lecture Discussion * Demonstration	- Short answers - Objective type - Practical exam & Viva Voce
IV	1	3	Demonstrate use of internet and E-mail	Use of Internet and E-mail	* Lecture Discussion * Demonstration * Practice session	- Short answers - Objective type - Practical exam & Viva Voce
V	2	2	Describe and use the statistical packages	Statistical packages : types and their features	* Lecture Discussion * Demonstration * Practice session	* Short answers * Objective type * Practical Exam and Viva Voce

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

Placement : Second Year

Time: Theory 60 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 and 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	3	Describe the influence of culture on health and disease	Culture : * Nature of culture * Evolution of culture * Diversity and uniformity of culture * Culture and socialization * Transcultural society * Influence on health and disease	* Lecture Discussion * Panel Discussion	- Essay type - Short answers
IV	4	Identify various social groups and their interactions	Social groups and processes : * The meaning and classification of groups * Primary & Secondary group * In-group V/s. Out-group, class, tribe, caste * Economic, Political, Religious, groups, Mob, Crowd, Public and Audience Interaction & Social Processes * Co-operation, Competition, Conflict * Accommodation, Assimilation & Isolation	* Lecture Discussion	- Essay type - Short answers
V	6	Explain the growth of population in India and its impact on	Population : * Society and population * Population distribution in India Demographic characteristics * Malthusian theory of Populations	* Lecture Discussion * Community identification	- Essay type - Short answers - Assessment of report on

		health	* Population explosion in India and its impact on health status * Family welfare programmes		community identification
VI	5	Describe the Institutions of family and marriage in India	Family and Marriage : * Family – functions * Types – Joint, Nuclear, blended and extended family: characteristics * The modern family changes, problems – dowry etc, welfare services * Changes and legislations on family and marriage in India – Marriage acts * Marriage: forms and functions of marriage * Marriage and family problems in India * Family, Marriage and their influence on health and health practices	* Lecture Discussion * Family case study	- Essay type - Short answers - Assessment of family case study
VII	7	Describe the class and caste system and their influence on health and health practices	Social stratification : * Meaning and types of social stratification * The Indian caste system-origin and features * Features of caste in India today * Social class system and status * Social Mobility –Meaning & types * Race as a biological concept, criteria of racial classification * Salient features of Primary races- Racism * Influence of Class, Caste and Race on health and health practices	* Lecture Discussion * Community survey	- Essay type - Short answers - Assessment of report on community survey
VIII	6	Describe the types of communities in India, their practices and the impact on health	Types of Communities in India (Rural, Urban and Regional) : * Features of village community and 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: urbanization and its impact on health and health practices	* Lecture Discussion * Visits to rural and urban community * Community survey	- Essay type - Short answers - Assessment of report on community survey

			<ul style="list-style-type: none"> * Major Urban problems – Urban Slums * Region: Problems and impact on Health 		
IX	4	Explain the process of Social Change	Social Change : <ul style="list-style-type: none"> * Nature and process of social change * Factors influencing Social change: cultural change, Cultural lag. * Introduction to Theories of social change: :Linear, Cyclical, Marxian, Functional Role of nurse-Change agents 	* Lecture Discussion	- Essay type - Short answers
X	4	Describe the Social system and inter-relationship of social organizations	Social Organization and Social System : <ul style="list-style-type: none"> * Social organization: elements, types * Democratic and authoritarian modes of participation * Voluntary association * Social system: Definition and Types of social system * Role and Status as structural elements of social system * Inter-relationship of institutions 	<ul style="list-style-type: none"> * Lecture Discussion * Observation visits 	- Essay type - Short answers - Assessment of visit report
XI	2	Explain the nature and process of social control	Social control : <ul style="list-style-type: none"> * Nature and process of social control * Political, Legal, Religious, Educational, Economic, Industrial and Technological system, Norms & Values – Folkways & Mores Customs, Laws and fashion Role of Nurse 	<ul style="list-style-type: none"> * Lecture Discussion * Community survey 	- Essay type - Short answers - Assessment of report on community survey
XII	15	Describe the role of the nurse in dealing with social problems in India	Social Problems : <ul style="list-style-type: none"> * Social disorganization * Control & planning: poverty, housing, illiteracy, food supplies, prostitution, rights of women & children, vulnerable groups: Elderly, handicapped, minority groups and other marginalized groups, child labour, child abuse, delinquency and crime, substance abuse, HIV/AIDS * Social welfare programmes in India Role of Nurse 	<ul style="list-style-type: none"> * Lecture Discussion * Institutional visits 	- Essay type - Short answers - Assessment of visit report

Pharmacology

Placement : Second Year

Time : Theory – 45 hours

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

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
I	3	Describe pharmacokinetics, classification and the principles of drug administration	Introduction to pharmacology : <ul style="list-style-type: none"> • Definitions • Sources • Terminology used • Types: Classification • Pharmacodynamics: Actions, therapeutic • Adverse, toxic • Pharmacokinetics : absorption, distribution, metabolism, interaction, excretion • Review: Routes and principles of administration of drugs • Indian pharmacopoeia : Legal issues • Rational use of drugs • Principles of therapeutics 	* Lecture Discussion	- Objective type question - Short answers
II	6	Explain Chemotherapy of specific infections and infestations and nurse's responsibilities	Chemotherapy : <ul style="list-style-type: none"> • Pharmacology of commonly used; <ul style="list-style-type: none"> □ 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 <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse</p>	* Lecture Discussion * Drug study/ presentation	- Objective type question - Short answers

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, Contraindication, Drug interactions, Side-effects, Adverse effects, Toxicity & Role of nurse • Disinfectants • Insecticides 	* Lecture Discussion * Drug study/ presentation	- Objective type question - Short answers
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	- Objective type question - Short answers
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 nurse	* Lecture Discussion * Drug study/ presentation	- Objective type question - Short answers
VI	2	Describe Drugs used on Urinary System and nurse's responsibilities	Drugs used on Urinary System : <ul style="list-style-type: none"> • Pharmacology of commonly used – <ul style="list-style-type: none"> □ Diuretics and antidiuretics □ Urinary antiseptics □ Cholinergic and anticholinergics 	* Lecture Discussion * Drug study/ presentation	- Objective type question - Short answers

			<input type="checkbox"/> Acidifiers and alkalanizers Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse		
VII	4	Describe Drugs used in de-addiction, emergency, deficiency of vitamins & minerals, poisoning, for immunization and immuno-suppression and nurse's responsibilities	Miscellaneous : <ul style="list-style-type: none"> • Drugs used in de-addiction • Drugs used in CPR and emergency • Vitamins and minerals • Immunosuppressants • Antidotes • Antivenom • Vaccines and sera 	* Lecture Discussion * Drug study/presentation	- Objective type question - Short answers
VIII	1	Describe Drugs used on skin and mucous membranes and nurse's responsibilities	Drugs used on skin and mucous membranes : <ul style="list-style-type: none"> • 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	- Objective type question - Short answers
IX	8	Describe Drugs used on Nervous System and nurse's responsibilities	Drugs acting on Nervous system : <ul style="list-style-type: none"> • Basic & applied Pharmacology of commonly used : • Analgesics and Anaesthetics <input type="checkbox"/> Analgesics <ul style="list-style-type: none"> - Non steroidal anti-inflammatory (NSAID) drugs <input type="checkbox"/> Antipyretics <input type="checkbox"/> Hypnotics and Sedatives <ul style="list-style-type: none"> - Opioids - Non-Opioids - Tranquilizers - General & local anesthetics - Gases : oxygen, nitrous oxide, carbon-dioxide • Cholinergic and anti-cholinergics: <input type="checkbox"/> Muscle relaxants <input type="checkbox"/> Major tranquilizers <input type="checkbox"/> Anti-psychotics <input type="checkbox"/> Antidepressants 	* Lecture Discussion * Drug study/presentation	- Objective type question - Short answers

			<ul style="list-style-type: none"> ❑ Anticonvulsants ❑ Adrenergics ❑ Noradrenics ❑ Mood stabilizers ❑ Acetylcholine ❑ Stimulants <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse</p>		
X	5	Describe Drugs used on Cardiovascular 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, contra-indications, drug interactions, side effects, adverse effects, toxicity and role of nurse</p>	* Lecture Discussion * Drug study/presentation	- Objective type question - Short answers
XI	4	Describe drugs used for hormonal disorders and supplementation, contraception and medical termination of pregnancy and nurse's responsibilities	<p>Drugs used for hormonal disorders & supplementation, contraception and medical termination of pregnancy :</p> <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 <p>Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse</p>	* Lecture Discussion * Drug study/presentation	- Objective type question - Short answers

			effects, toxicity and role of nurse		
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 visit	- Objective type question - Short answers

Pathology and Genetics

Time : Theory – 45 hours (Pathology 30 & Genetics 15 hrs)

Section A – Pathology

Placement : Second Year

Time : Theory – 30 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
	Th.	Pr.				
I	3	-	<p>Define the common terms used in pathology</p> <p>Appreciate the deviations from normal to abnormal structure and functions of the body system</p>	<p>Introduction :</p> <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 	<p>- Short answers</p> <p>- Objective type question</p>
II	10	5	<p>Explain Pathological changes in disease conditions of various systems</p>	<p>Special pathology :</p> <ul style="list-style-type: none"> • Pathological changes in disease conditions of various systems: • Respiratory tract <ul style="list-style-type: none"> ❑ Tuberculosis, Bronchitis, Pleural effusion and pneumonia ❑ Lung abscess, emphysema, bronchiectasis ❑ Bronchial asthma, Chronic Obstructive Pulmonary Disease and tumours • Cardio-vascular system <ul style="list-style-type: none"> ❑ Pericardial effusion ❑ Rheumatic heart disease 	<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 	<p>- Short answers</p> <p>- Objective type question</p>

				<ul style="list-style-type: none"> ❑ 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 Endometrium ❑ Vesicular mole, choriocarcinoma ❑ Ectopic gestation ❑ Ovarian cyst & tumours • Cancer Breast • 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 		
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III	4	3	Describe various laboratory tests in assessment and monitoring of disease conditions	<p>Clinical pathology :</p> <ul style="list-style-type: none"> • Various blood and bone marrow tests in assessment and monitoring of disease conditions □ Hemoglobin □ RBC, White cell & platelet counts □ Bleeding time, clotting time and prothrombine 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 	<ul style="list-style-type: none"> • Lecture Discussion • Demonstration • Visit to Clinical Pathology & Bio-Chemistry lab and Blood bank 	<p>- Short answers</p> <p>- Objective type question</p>
IV	2	1	Describe the laboratory tests for examination of body cavity fluids, transudates and exudates	<p>Examination of body cavity fluids, transudates and exudates :</p> <ul style="list-style-type: none"> • The laboratories tests used in CSF analysis • Examination of other body cavity fluids, transudates and exudates –sputum, wound discharge, etc • Analysis of gastric and duodenal contents • Analysis of semen-sperm count, motility and morphology and their importance in infertility • Methods of collection of CSF and other cavity fluids specimen for various clinical pathology, biochemistry, microbiology tests, inference and normal values 	<ul style="list-style-type: none"> • Lecture Discussion • Demonstration 	<p>- Short answers</p> <p>- Objective type question</p>

V	1	1	Describe laboratory tests for examination of Urine and faeces	Urine and Faeces : <ul style="list-style-type: none"> • Urine <ul style="list-style-type: none"> □ Physical characteristics □ Analysis □ Culture and sensitivity • Faeces <ul style="list-style-type: none"> □ Characteristics □ Stool examination : occult blood, ova, parasite and cyst, reducing substance etc. • Methods of collection for various tests, inference and normal values 	<ul style="list-style-type: none"> • Lecture Discussion • Demonstration 	<ul style="list-style-type: none"> - Short answers - Objective type question
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Section B – Genetics

Placement : Second Year

Time : Theory – 15 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	3	Explain nature, principles and perspectives of heredity	Introduction : <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 <ul style="list-style-type: none"> □ Mendelian theory of inheritance □ Multiple alleles and blood groups □ Sex linked inheritance □ Mechanism of inheritance □ Errors in transmission (Mutation) 	<ul style="list-style-type: none"> • Lecture • Discussion • Explain using charts, slides 	- Short answers - Objective type question
II	3	Explain Maternal, prenatal and genetic influences on development of defects and diseases	Maternal, prenatal and genetic influences on development of defects and diseases : <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 • Neural Tube Defects and the role of Folic acid in lowering the risks • Down syndrome (Trisomy 21) 	<ul style="list-style-type: none"> • Lecture • Discussion • Explain using charts, slides 	- Short answers - Objective type question

III	2	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 	<ul style="list-style-type: none"> • Lecture Discussion • Explain using charts, slides 	- Short answers - Objective type question
IV	2	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 	<ul style="list-style-type: none"> • Lecture Discussion • Explain using charts, slides 	- Short answers - Objective type question
V	5	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 	<ul style="list-style-type: none"> • Lecture Discussion 	- Short answers - Objective type question

Medical Surgical Nursing

(Adult including Geriatrics) – I

Placement -Second Year

Time - Theory – 210 hours
Practical – 720 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	<p>Appreciate the trends in medical and surgical nursing</p> <p>Describe the role of nurse in caring for adult patient in hospital and community</p> <p>Describe the concepts of medical surgical asepsis</p>	<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 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"> □ Out-patient department □ In-patient unit □ Intensive care unit □ Home and Community settings • Introduction to Medical Surgical asepsis : <ul style="list-style-type: none"> □ Inflammation & Infection □ Immunity □ Wound healing • Care of Surgical Patient : <ul style="list-style-type: none"> □ Pre-operative □ Intra-operative □ Post-operative 	<ul style="list-style-type: none"> • Lecture Discussion • Demonstration • Practice session • Supervised clinical practice 	<p>- Short answers</p> <p>- Objective type question</p> <p>- Assessment of skills with check list</p>
II	15	<p>Describe the common signs, symptoms,</p>	<p>Common signs and symptoms and management</p> <ul style="list-style-type: none"> • Fluid and electrolyte imbalance • Vomiting • Dyspnea and cough, respiratory 	<ul style="list-style-type: none"> • Lecture Discussion • Seminar • Case discussion 	<p>- Short answers</p> <p>- Objective type question</p>

		problems and their specific nursing interventions	obstruction <ul style="list-style-type: none"> • Fever • Shock • Unconsciousness, Syncope • Pain • Incontinence • Edema • Age related problems – Geriatric 		
III	20	Describe the etiology, pathophysiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of respiratory system	Nursing management of patients (adults including elderly) with respiratory problems : <ul style="list-style-type: none"> • 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 – <ul style="list-style-type: none"> □ Upper Respiratory tract infections □ Bronchitis □ Asthma □ Emphysema □ Empyema □ Atelectasis □ Chronic Obstructive Pulmonary Diseases (COPD) □ Bronchiectasis □ Pneumonia □ Pulmonary Tuberculosis □ Lung abscess □ Pleural effusion □ Cysts and Tumours □ Chest injuries □ Respiratory arrest and insufficiency □ Pulmonary embolism Special therapies, alternative therapies, nursing procedures Drugs used in treatment of respiratory disorders	<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 	- Essay type - Short answers - Objective type question - Assessment of skills with check list - Assessment of patient management problem
IV	30	Describe the etiology, pathophysiology clinical	Nursing management of patient (adults including elderly) with disorders of digestive system : <ul style="list-style-type: none"> • Review of anatomy and physiology of digestive system 	<ul style="list-style-type: none"> • Lecture Discussion • Explain using charts, graphs, 	- Essay type - Short answers - Objective

		<p>manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of digestive system</p>	<ul style="list-style-type: none"> • 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, tongue, salivary glands and teeth □ Oesophagus - inflammation stricture, obstruction, bleeding and tumours □ Stomach and deudenum - hiatus hernia, gastritis, peptic and deudenal ulcer, bleeding, tumours, pyloric stenosis □ Small intestinal disorders - inflammation & infection, enteritis, mal-absorption, obstruction, tumour and perforation □ Large intestinal disorders- colitis, inflammation and infection, obstruction and tumour and lump □ Hernias □ Appendix – inflammation, mass, abscess, rupture □ Anal & Rectum - hemorrhoides, 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 <p>Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of digestive system</p>	<p>Models, films, slides</p> <ul style="list-style-type: none"> • Demonstration • Practice session • Case discussions / Seminar • Health education • Supervised clinical practice • Drug book/ presentation 	<p>type question</p> <ul style="list-style-type: none"> - Assessment of skills with check list - Assessment of patient management problem
V	30	Describe the etiology, pathophysiology, clinical manifestations	<p>Nursing management of patient (adults including elderly) with blood and cardio vascular problems :</p> <ul style="list-style-type: none"> • Review of anatomy and physiology of blood and cardiovascular system, 	<ul style="list-style-type: none"> • Lecture Discussion • Explain using charts, graphs • Models, 	<ul style="list-style-type: none"> - Essay type - Short answers - Objective type

	<p>ons, diagnostic measures and management of patients (adults including elderly) with blood and cardio vascular problems</p> <p>Describe the vascular conditions and its nursing management</p>	<ul style="list-style-type: none"> • Nursing Assessment – History and Physical assessment • Etiology, Pathophysiology clinical manifestations, diagnosis, treatment modalities & medical, surgical, dietetics & nursing management of – <ul style="list-style-type: none"> • Vascular system <ul style="list-style-type: none"> □ Hypertension, Hypotension □ Artherosclerosis □ Raynaud’s disease □ Aneurism and Perpherial vascular disorders <p>Heart</p> <ul style="list-style-type: none"> • Coronary artery diseases <ul style="list-style-type: none"> □ Ischemic Heart Disease □ Cornory atherosclerosis □ 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 <ul style="list-style-type: none"> □ Cor-pulmonale, pulmonary edema, cardiogenic shock, cardiac tamponade • Cardiac emergencies and arrest • Cardio Pulmonary Resuscitation (CPR) • Blood <ul style="list-style-type: none"> □ Anaemias □ Polycythemia □ Bleeding disorders, clotting factor defects and platelets defects □ Thalassemia □ Leukaemias □ Leukopenias and Agranulocytosis □ Lymphomas □ Myelomas • Special therapies <ul style="list-style-type: none"> □ Blood transfusion, safety checks, procedure and requirements, management of adverse transfusion reaction, records for blood transfusion. 	<p>films, slides</p> <ul style="list-style-type: none"> • Demonstration • Practice session • Case discussions/ Seminar • Health education • Supervised clinical practice • Drug book/ presentation • Visit to blood bank • Participation in blood donation camps • Counselling 	<p>question</p> <ul style="list-style-type: none"> - Assessment of skills with check list - Assessment of patient management problem
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			<ul style="list-style-type: none"> ❑ Management & counselling of blood donors, phlebotomy procedure & post donation management Blood bank functioning & hospital transfusion committee. Bio-safety and waste management in relation to blood transfusion ❑ Role of a nurse in Organ donation, retrieval and banking <p>Alternative therapies Nursing procedures Drugs used in treatment of blood and cardio vascular disorders</p>		
VI	10	Describe the etiology, pathophysiology, Clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of genito-urinary system	<p>Nursing management of patient (adults including elderly) with genito-urinary problems :</p> <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 & medical, surgical, dietetics and nursing management of – ■ Nephritis ■ Nephrotic syndrome ■ Nephrosis ■ Renal calculus ■ Tumours ■ Acute renal failure ■ Chronic renal failure ■ End stage renal disease ■ Dialysis & renal transport ■ Congenital disorders, urinary infections ■ Benign prostate hypertrophy ■ Disorders of ureter, urinary bladder and urethra - inflammation, infection, stricture, obstruction, tumour, prostate <p>Special therapies, alternative therapies Nursing procedures Drugs used in treatment of genito-urinary disorders</p>	<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 question - Assessment of skills with check list - Assessment of patient management problem
VII	5	Describe the etiology,	<p>Nursing management of disorders of male (adults including elderly) reproductive system :</p>	<ul style="list-style-type: none"> • Lecture Discussion • Explain 	<ul style="list-style-type: none"> - Essay type - Short

		<p>pathophysiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of male reproductive system</p>	<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 & medical, surgical, dietetics & nursing management of disorders of male reproductive system - ■ Congenital malformations; cryptorchidism ■ Hypospadias & Epispadias ■ Infections ■ Testis and adjacent structures ■ Penis ■ Prostate - inflammation, infection, hypertrophy, tumour ■ Sexual Dysfunction ■ Infertility ■ Contraception ■ Breast : Gynecomastia, tumour ■ Climacteric changes <p>Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of male reproductive system</p>	<p>using charts, graphs, Models, films, slides</p> <ul style="list-style-type: none"> • Demonstration • Practice session • Case discussions/ Seminar • Health education • Supervised clinical practice • Drug book/ presentation 	<p>answers</p> <ul style="list-style-type: none"> - Objective type question - Assessment of skills with check list - Assessment of patient management problem
VIII	10	<p>Describe the etiology, pathophysiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of endocrine system</p>	<p>Nursing management of patient (adults including elderly) with disorders of endocrine system :</p> <ul style="list-style-type: none"> ■ Review of anatomy and physiology endocrine system ■ Nursing Assessment - History and Physical assessment ■ Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities & medical, surgical, dietetics & nursing management of – □ Disorders of Thyroid and Parathyroid □ Diabetes mellitus □ Diabetes insipidus □ Adrenal tumour □ Pituitary disorders <p>Special therapies, alternative therapies</p>	<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 question - Assessment of skills with check list - Assessment of patient management problem

			Nursing procedures Drugs used in treatment of disorders of endocrine system	<ul style="list-style-type: none"> • Drug book/ presentation 	
IX	10	Describe the etiology, pathophysiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of skin	<p>Nursing management of patient (adults including elderly) with disorders of Integumentary system :</p> <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 & medical, surgical, dietetics & nursing management of disorders of skin and its appendages □ Lesions and abrasions □ Infection and infestations; Dermatitis □ Dermatoses - Infectious and Non infectious “inflammatory dermatoses” □ Acne Vulgaris □ Allergies and Eczema □ Psoriasis □ Malignant melanoma □ Alopecia <p>Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of Integumentary system</p>	<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 question - Assessment of skills with check list - Assessment of patient management problem
X	15	Describe the etiology, pathophysiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with	<p>Nursing management of patient (adults including elderly) with musculo-skeletal problems :</p> <ul style="list-style-type: none"> • Review of anatomy and physiology of musculo-skeletal system ■ Nursing Assessment -History and Physical assessment ■ Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities & medical, surgical, dietetics & nursing management of – • Disorders of - □ Muscles, Ligaments and Joints - inflammation, infection, trauma □ Bones –inflammation, infection, 	<ul style="list-style-type: none"> • Lecture Discussion • Explain using charts, graphs, Models, films, slides • Demonstration • Practice session • Case discussions/ Seminar • Health education 	<ul style="list-style-type: none"> - Essay type - Short answers - Objective type question - Assessment of skills with check list - Assessment of patient

		disorders of musculo skeletal system	<p>dislocation, fracture, tumour and trauma</p> <ul style="list-style-type: none"> ❑ Osteomalacia and Osteoporosis ❑ Arthritis ❑ Congenital deformities ❑ Spinal column – defects & deformities, Tumor, Prolapsed inter vertebral disc, pott's spine ❑ Paget's disease • Amputation • Prosthesis • Transplant & replacement surgeries • Rehabilitation <p>Special therapies, alternative therapies</p> <p>Nursing procedures</p> <p>Drugs used in treatment of disorders of musculoskeletal system</p>	<ul style="list-style-type: none"> • Supervised clinical practice • Drug book/ presentation 	managemen t problem
XI	10	Describe the etiology, pathophysiology clinical manifestations, diagnostic measures and management of patients (adults including elderly) with disorders of immunological system.	<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 ■ Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities & 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 ■ Prevention of Transmission ■ Standard Safety precautions ■ Role of Nurse, Counselling ■ Health education and home care consideration ■ National AIDS Control Program- NACO, various national and international agencies ■ Infection control program ■ 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 • Orientation visit to Hospital Infection Control System 	<p>- Essay type</p> <p>- Short answers</p> <p>- Objective type question</p> <p>- Assessment of skills with check list</p> <p>- Assessment of patient management problem</p>

			Special therapies, alternative therapies Nursing procedures Drugs used in treatment of disorders of immunological system		
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 <ul style="list-style-type: none"> □ Tuberculosis □ Diarrhoeal diseases □ Hepatitis A - E □ Herpes □ Chickenpox □ Smallpox □ Typhoid □ Meningitis □ Gas gangrene □ Leprosy □ Dengue □ Plague □ Malaria □ Diptheria □ Pertussis □ Poliomyelitis □ Measles □ Mumps □ Influenza □ Tetanus □ Yellow fever □ Filariasis □ HIV, AIDS • Reproductive Tract Infections • Special Infection control measures - Notification, Isolation, Quarantine, Immunization, Infectious disease of hospitals, Special therapies, alternative therapies Nursing procedures Drugs used in treatment of Communicable diseases	<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 	- Essay type - Short answers - Objective type question - Assessment of skills with check list - Assessment of patient management problem

XIII	25	<p>Describe the organisation and physical set up of Operation Theatre</p> <p>Identify the various instruments and equipments used for common surgical procedures</p> <p>Describe the infection control measures in the operation theatre</p> <p>Describe the role of the nurse in the Peri-operative nursing care</p>	<p>Peri operative nursing :</p> <ul style="list-style-type: none"> • Organisation and Physical set up of the Operation Theatre (O.T.) : □ Classifications □ O.T. Design □ Staffing □ Members of the OT team □ Duties and responsibilities of nurse in O.T. □ Principles of Health and operating room attire □ Instruments □ Sutures & 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 □ Prevention of accidents and hazards in O.T. • Anaesthesia □ Types □ Methods of administration □ Effects and Stages □ Equipments □ Drugs • Cardio Pulmonary Resuscitation (CPR) • Pain management techniques • Legal Aspects 	<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 question - Assessment of skills with check list
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Medical Surgical Nursing -I Practical

(Adult including Geriatrics)

Placement - Second Year

Time - 720 hours

Areas	Duration (in week)	Objectives	Skills	Assignments	Assessment Methods
General Medical Ward (Respiratory, GI, Endocrine, Renal, Hematology)	6	<ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> □ Taking history □ Perform general and specific physical examination □ Identify alterations and deviations • Practice medical surgical asepsis standard safety measures • Administer medications <ul style="list-style-type: none"> □ Oral, IV, IM, Subcutaneous, IV therapy □ IV cannulation □ Maintenance and monitoring • Oxygen therapy by different methods • Nebulization • Chest physiotherapy • 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 <ul style="list-style-type: none"> □ Catheterisation □ Bowel wash □ Enema □ Urinary drainage • Maintain Intake, 	<ul style="list-style-type: none"> • Assign 3 - 4 patients for giving planned nursing care • Prepare 2 nursing care plan • 1 - Nursing case study & presentation including drug • Maintaining drug book • Maintain practical record book 	<ul style="list-style-type: none"> • Assess performance with rating scale • Assess each skill with check list • Evaluation of case study / presentation • Completion of practical record

			<p>output and documentation</p> <ul style="list-style-type: none"> • 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 (along with drugs) • Post operative care - Receiving patient, assessment, monitoring care • Care of wounds and drainage • Suture removal • Ambulation and exercise • Naso gastric aspiration • Care of chest drainage • Ostomy care : <ul style="list-style-type: none"> □ Gastrostomy □ Colostomy □ Enterostomy • Blood & component therapy • Practice universal precautions 	<ul style="list-style-type: none"> • Plan and give care to 3 - 4 assigned patients • Nursing care plan- 2 • Nursing case study / presentation – 1 • Maintain drug book 	<ul style="list-style-type: none"> • Assess performance with rating scale • Assess each skill with check list • Evaluation of case study / presentation • Completion of activity record
Cardiology ward	2	<ul style="list-style-type: none"> • Provide nursing care to patients with cardiac disorders • Counsel and educate patients and families 	<ul style="list-style-type: none"> • Physical examination of 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 	<ul style="list-style-type: none"> • Plan and give care to 2 - 3 assigned patients • Nursing care plan- 1 • Nursing case study / presentation / Health talk – 1 • Maintain drug book 	<ul style="list-style-type: none"> • Assess performance with rating scale • Assess each skill with check list • Evaluation of case study / presentation / health talk • Completion of activity record

			<ul style="list-style-type: none"> • Teach patients and families • Practice medical and surgical asepsis – Standard safety measures 		
Skin & Communicable diseases Ward	1	<ul style="list-style-type: none"> • Identify skin problems • Provide nursing care to patients with skin disorders & Communicable diseases • Counsel and educate patients and families 	<ul style="list-style-type: none"> • 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 • Counselling HIV positive patients • Teach prevention of infectious diseases 	<ul style="list-style-type: none"> • Plan and give care to 2 - 3 assigned patients • Health talk / Counselling HIV positive patients and families – 1 • Maintain drug book 	<ul style="list-style-type: none"> • Assess performance with rating scale • Evaluation health talk / Counselling session • Completion of activity record
Orthopaedic ward	2	<ul style="list-style-type: none"> • Provide nursing care to patients with musculo-skeletal disorders • Counsel and educate patients and families 	<ul style="list-style-type: none"> • 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 manoeuvring technique • Activities of daily living • Ambulation • Teach and counsel patients & families 	<ul style="list-style-type: none"> • Plan & give care to 2-3 assigned patients • Nursing care plan- 1 • Nursing case study / presentation – 1 • Maintain drug book 	<ul style="list-style-type: none"> • Assess performance with rating scale • Evaluation of nursing care plan & nursing case study / presentation • Completion of activity record

Operation Theatre	6	<ul style="list-style-type: none"> 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 anaesthesia Assist in the operative procedures Provide peri-operative nursing care 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Assist as a circulatory nurse in <ul style="list-style-type: none"> * Major cases- 10, * Minor cases – 5 Assist as a scrub nurse in <ul style="list-style-type: none"> * Major cases- 10, * Minor cases – 5 Maintain drug book 	<ul style="list-style-type: none"> Assess performance with rating scale Completion of activity record
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Internship

Time -260 hours (9 weeks)

Areas	Durati on (in week)	Objectives	Skills	Assignment s	Assessment Methods
ICU, CCU, Cardiac OT	2	<ul style="list-style-type: none"> To gain proficiency in ICU nursing Develop advance skill in special procedures used in Critical Care Unit Identify potential problems and provide care accordingly 	<ul style="list-style-type: none"> Assist in arterial puncture for blood gas analysis Perform ECG and interpret accordingly Conduct & analyse pulse oximetry Care with artificial airway Assist in endotracheal intubation Setting up ventilator Giving care to patient on ventilator Drug sheet Observation of 	<ul style="list-style-type: none"> Arterial puncture –5 Taking out ECG strip–5 Tracheal suction-5 Oxygen administration by CPAP mask and use Ambu bag. Assessm 	<ul style="list-style-type: none"> Record book Checking with supervisor

		<ul style="list-style-type: none"> • Skill in setting and handling ventilator • Administer injection using infusion pump • Record accurately findings and medications • Develop IPR with family members • Acquaint with OT technique 	special procedure in OT.	<ul style="list-style-type: none"> • ent for all assigned patients • Nursing care of patient on ventilator • Drug sheet 	
Neuro ICU, ITU, OT	2	<ul style="list-style-type: none"> • Develop skill in neurological assessment • Give care to the patient with head injury and spinal injury • Care with chest surgery and cranial surgery 	<ul style="list-style-type: none"> • Assess neurological status • Implement care to head injury, spinal injury patients • Drug sheet • Pre and post operative care with neuro surgery patients 	<ul style="list-style-type: none"> • Assessment for all assigned patients • Nursing care plan-2 • Drug sheet 	<ul style="list-style-type: none"> • Record book • Observation checklist
Burns & plastic Re-constructive surgery	2	<ul style="list-style-type: none"> • Assess the severity of burns • Administer rehydration therapy • Observe re-constructive surgery 	<ul style="list-style-type: none"> • Nursing care 	-	-
OT Laparoscopic, Orthopaedic, Eye, ENT	3	<ul style="list-style-type: none"> • Identify instruments • Assist in OT set-up • Supervise sterilization • Assist in OT table lay out • Observe immediately 	-	<ul style="list-style-type: none"> • Assist - 5 cases 	<ul style="list-style-type: none"> • Record book

		after operation • Supervise infection control			
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Community Health Nursing – I

Placement - Second Year

Time - Theory – 90 hours

Practical – 135 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 : <ul style="list-style-type: none"> • Community health nursing • Definition, concept and dimensions of health • Promotion of health • Maintenance of health 	<ul style="list-style-type: none"> • Lecture • Discussion 	- Short Answers
II	20	Describe determinants of health	Determinants of health : <ul style="list-style-type: none"> • Eugenics • Environment - <ul style="list-style-type: none"> □ Physical - Air, Light, Ventilation, Water, Housing, □ Sanitation : Disposal of waste, Disposal of dead bodies □ Forestation, Noise, Climate □ Communication - Infrastructure facilities and Linkages □ Acts regulating the environment - National Pollution Control Board □ Bacterial & Viral - Agents, host, carriers and immunity □ Arthropods and Rodents • Food hygiene - Production, Preservation, Purchase, Preparation, Consumption • Acts regulating food hygiene - Prevention of Food Adulteration Act, Drugs & Cosmetic Act • Socio-cultural - <ul style="list-style-type: none"> □ Customs, taboos □ Marriage system □ Family structure □ Status of special groups : Females, Children, Elderly, Challenged groups and Sick persons • Life Style • Hygiene • Physical activity - <ul style="list-style-type: none"> □ Recreation and sleep 	<ul style="list-style-type: none"> • Lecture discussion • Explain using Charts, graphs, Models, films, slides • Visits to water supply, sewage disposal, milk plants, slaughter house etc 	- Essay type - Short answers - Objective type

			<ul style="list-style-type: none"> <input type="checkbox"/> Sexual life <input type="checkbox"/> Spiritual, Life philosophy <input type="checkbox"/> Self reliance <input type="checkbox"/> Dietary pattern <input type="checkbox"/> Education <input type="checkbox"/> Occupation • Financial Management - <input type="checkbox"/> Income <input type="checkbox"/> Budget <input type="checkbox"/> Purchasing power <input type="checkbox"/> Security 		
III	10	Describe concept, scope, uses, methods and approaches of epidemiology	<p>Epidemiology :</p> <ul style="list-style-type: none"> • Definition, concept, aims, scope, uses and terminology used in epidemiology • Dynamics of disease transmission - Epidemiological triad • Morbidity and Mortality - measurements • Levels of prevention • Methods of epidemiology of - <input type="checkbox"/> Descriptive <input type="checkbox"/> Analytical -Epidemic Investigation <input type="checkbox"/> Experimental 	<ul style="list-style-type: none"> • Lecture discussion • Explain using Charts, graphs, Models, films, slides 	- Essay type - Short answers
IV	25	Describe Epidemiology and nursing management of common Communicable diseases	<p>Epidemiology and nursing management of common Communicable Diseases :</p> <ul style="list-style-type: none"> • Respiratory infections - <input type="checkbox"/> Small Pox <input type="checkbox"/> Chicken Pox <input type="checkbox"/> Measles <input type="checkbox"/> Influenza <input type="checkbox"/> Rubella <input type="checkbox"/> ARI's & Pneumonia <input type="checkbox"/> Mumps <input type="checkbox"/> Diphtheria <input type="checkbox"/> Whooping cough <input type="checkbox"/> Meningococcal meningitis <input type="checkbox"/> Tuberculosis <input type="checkbox"/> S.A.R.S. • Intestinal Infections - <input type="checkbox"/> Poliomyelitis <input type="checkbox"/> Viral Hepatitis <input type="checkbox"/> Cholera <input type="checkbox"/> Diarrhoeal diseases <input type="checkbox"/> Typhoid Fever <input type="checkbox"/> Food poisoning <input type="checkbox"/> Amoebiasis <input type="checkbox"/> Hook worm infection <input type="checkbox"/> Ascariasis 	<ul style="list-style-type: none"> • 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

			<ul style="list-style-type: none"> ❑ Dracunculiasis • Arthropod infections - ❑ Dengue ❑ Malaria ❑ Filariasis • Zoonoses Viral - ❑ Rabies ❑ Yellow fever ❑ Japanese encephalitis ❑ Kyasnur Forest Disease Bacterial - ❑ Brucellosis ❑ Plague ❑ Human Salmonellosis ❑ Anthrax ❑ Leptospirosis Rickettsial diseases - ❑ Rickettsial Zoonoses ❑ Scrub typhus ❑ Murine typhus ❑ Tick typhus ❑ Q fever Parasitic zoonoses - ❑ Taeniasis ❑ Hydatid disease ❑ Leishmaniasis Surface infection - ❑ Trachoma ❑ Tetanus ❑ Leprosy ❑ STD & RTI ❑ Yaws ❑ HIV/AIDS <p>Any other</p>		
V	10	Describe Epidemiology and nursing management of common Non communicable diseases	<p>Epidemiology and nursing management of Non - communicable diseases :</p> <ul style="list-style-type: none"> • Malnutrition-under nutrition, over nutrition, nutritional deficiencies • Anaemia • Hypertension • Stroke • Rheumatic Heart Disease • Coronary Heart Disease • Cancer • Diabetes mellitus • Blindness • Accidents • Mental illness • Obesity 	<ul style="list-style-type: none"> • Lecture discussion • Explain using Charts, graphs, Models, films, slides • Seminar • Supervised field practice - health centers, clinics and homes • Group 	<ul style="list-style-type: none"> - Essay type - Short answers - Objective type

			<ul style="list-style-type: none"> • Iodine deficiency • Fluorosis • Epilepsy 	projects/ Health education	
VI	6	<p>Describe the concepts & scope of Demography</p> <p>Describe methods of data collection, analysis & interpretation of demographic data</p>	<p>Demography :</p> <ul style="list-style-type: none"> • Definition, concept and scope • Methods of collection, analysis & interpretation of demographic data • Demographic rates and ratios 	<ul style="list-style-type: none"> • Lecture discussion • Community identification survey 	<ul style="list-style-type: none"> - Essay type - Short answers - Objective type - Assessment of survey report
VII	17	<p>Identify the impact of population explosion in India</p> <p>Describe methods of population control</p>	<p>Population and its control :</p> <ul style="list-style-type: none"> • Population explosion and its impact on social, economic development of individual, society and country • Population control - <ul style="list-style-type: none"> □ Over all development- Women empowerment, social, economic and educational development • Limiting family size : <ul style="list-style-type: none"> □ Promotion of small family norm □ Methods - spacing (natural, biological, chemical, mechanical methods, etc) □ Terminal - surgical methods □ Emergency contraception 	<ul style="list-style-type: none"> • Lecture discussion • Population survey • Counselling • Demonstration • Practice session • Supervised field practice 	<ul style="list-style-type: none"> - Essay type - Short answers - Objective type - Assessment of survey report

Community Health Nursing I – Practical

Placement -Second Year

Time -Practical – 135 hours

Areas	Durati on (in week)	Objectives	Skills	Assignment s	Assessment methods
Communi ty health nursing	2 wks urban and 2 wks rural	<ul style="list-style-type: none"> • Build and Maintain rapport • Identify demographic characteristics, health determinants & community health resources • Diagnose health needs of individual and families • Provide primary care in health centre • Counsel & educate individual, family & community 	<ul style="list-style-type: none"> • Use techniques of inter-personal 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 & sugar • Administer vaccines and medications to adults • Counsel and teach individual, family and community <input type="checkbox"/> Nutrition <input type="checkbox"/> Hygiene <input type="checkbox"/> Self health monitoring <input type="checkbox"/> Seeking health services <input type="checkbox"/> Healthy life style <input type="checkbox"/> Family welfare methods <input type="checkbox"/> Health promotion 	<ul style="list-style-type: none"> • To work with 2 assigned families each in urban & rural • Family study –1 • Observat ion report of communi ty– 1 • Health talks - 2 (1 in urban & 1 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

Communication & Educational Technology

Placement -Second Year

Time -Theory – 90 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 group in clinical, community health and educational settings.

Unit	Time (Hrs)		Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
	Th.	Pr.				
I	5		Describe the communication process Identify techniques of effective communication	Review of Communication Process : <ul style="list-style-type: none"> • Process : elements and channel • Facilitators • Barriers and methods of overcoming • Techniques 	<ul style="list-style-type: none"> • Lecture • Discussion • Role plays • Exercises with audio / video tapes 	- Respond to critical incidents - Short answers - Objectives type
II	5		Establish effective interpersonal relations with patients families & co-workers	Interpersonal relations : <ul style="list-style-type: none"> • Purpose & types • Phases • Barriers & methods of overcoming • Johari Window 	<ul style="list-style-type: none"> • Lecture • Discussion • Role plays • Exercises with audio/video tapes • Process recording 	- Short answers - Objectives type
III	5		Develop effective human relations in context of nursing	Human relations : <ul style="list-style-type: none"> • Understanding self • Social behaviour, motivation, social attitudes • Groups & Individual • Human relations in context of nursing • Group dynamics • Team work 	<ul style="list-style-type: none"> • Lecture • Discussion • Sociometry • Group games • Psychometric exercises followed by discussion 	- Short answers - Objectives type - Respond to critical incidents
IV	10	5	Develop basic skill of counselling and guidance	Guidance & counselling : <ul style="list-style-type: none"> • Definition • Purpose, scope & need • Basic principles • Organization of counselling services • Types of counselling approaches • Role and preparation of counsellor 	<ul style="list-style-type: none"> • Lecture • Discussion • Role play on counselling in different situations followed by discussion 	- Short answers - Objectives type - Assess performance in role play situations

				<ul style="list-style-type: none"> • Issues for counselling in nursing - students and practitioners • Counselling process - steps & techniques, tools of counsellor • Managing disciplinary problems • Management of crisis & referral 		
V	5		Describe the philosophy & principles of education Explain the teaching learning process	Principles of education & Teaching learning process : <ul style="list-style-type: none"> • Education - meaning, philosophy, aims, functions & principles • Nature and characteristics of learning • Principles and maxims of teaching • Formulating objectives - general and specific • Lesson planning • Classroom management 	<ul style="list-style-type: none"> • Lecture Discussion • Prepare lesson plan • Micro teaching • Exercise on writing objectives 	<ul style="list-style-type: none"> - Short answers - Objectives type - Assess lesson plans & teaching sessions
VI	10	10	Demonstrate teaching skill using various teaching methods in clinical, classroom & community settings	Methods of teaching : <ul style="list-style-type: none"> • Lecture, demonstration, group discussion, 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 	<ul style="list-style-type: none"> • Lecture Discussion • Conduct 5 teaching sessions using different methods & media 	<ul style="list-style-type: none"> - Short answers - Objectives type - Assess teaching sessions
VII	10	8	Prepare and use different types of educational media effectively	Educational media : <ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • Lecture Discussion • Demonstration • Prepare different teaching aids - projected & non projected 	<ul style="list-style-type: none"> - Short answers - Objectives type - Assess the prepared teaching aids.

				<ul style="list-style-type: none"> Printed aids - pamphlets & leaflets Projected aids - slides, overhead projector, films, TV, VCR / VCD, camera, microscope, LCD Audio aids - tape recorder public address system Computer 		
VIII	5	7	Prepare different types of questions for assessment of knowledge, skills and attitudes	Assessment : <ul style="list-style-type: none"> Purpose & scope of evaluation & assessment Criteria for selection of assessment techniques and methods Assessment of knowledge - Essay type questions, Short answer questions (SAQ), Multiple choice questions (MCQ) Assessment of skills - observation checklist, practical exam, Viva, Objective structured clinical examination (OSCE) Assessment of Attitudes - Attitude scales 	<ul style="list-style-type: none"> Lecture Discussion Exercise on writing different types of assessment tools 	<ul style="list-style-type: none"> Short answers Objectives type Assess the strategies used in practice teaching sessions and exercise sessions.
IX	5		Teach individuals, groups and communities about health with their active participation	Information, Education & Communication for health (IEC) : <ul style="list-style-type: none"> Health behaviour & health education, Planning for health education Health education with individuals, groups & communities Communicating health messages Methods & media for communicating health messages, Using mass media 	<ul style="list-style-type: none"> Lecture Discussion Plan & conduct health education sessions for individuals, group & communities 	<ul style="list-style-type: none"> Short answers Objectives type Assess the planning & conduct of the educational session.

Medical Surgical Nursing

(Adult including Geriatrics) – II

Placement -Third Year

Time -Theory – 120 hours
Practical – 270 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	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients with disorders of Ear, Nose and Throat	<p>Nursing management of patient with disorders of Ear, Nose and Throat :</p> <ul style="list-style-type: none"> • 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 & Throat disorders : <ul style="list-style-type: none"> ○ External Ear - deformities otalgia, foreign bodies, and tumours ○ Middle Ear - Impacted wax, Tympanic membrane perforation, otitis media, otosclerosis, mastoiditis, tumours ○ Inner ear - Meniere’s Disease, labyrinthitis, ototoxicity, tumours ○ Upper airway infections – Common cold, sinusitis, ethinitis, rhinitis, pharyngitis, tonsillitis and adenoiditis, peritonsillar abscess, laryngitis • Upper respiratory airway – epistaxis • Nasal obstruction, laryngeal obstruction, cancer of the larynx • Cancer of the oral cavity • Speech defects and speech therapy 	<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 - Objectives type - Assessment of skills with check list - Assessment of patient management problem

			<ul style="list-style-type: none"> • Deafness – Prevention, control and rehabilitation • Hearing Aids, implanted hearing devices <p>Special Therapies Nursing procedures Drugs used in treatment of disorders of Ear, Nose and Throat Role of nurse in communicating with hearing impaired and muteness</p>		
II	15	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures and management of patients with disorders of Eye.	<p>Nursing management of patient with disorder of Eye :</p> <ul style="list-style-type: none"> • 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 - <ul style="list-style-type: none"> • Refractive errors • Eyelids - infection, tumours & deformities • Conjunctiva - inflammation and infection, bleeding • Cornea - inflammation and infection • Lens - Cataracts • Glaucoma • Disorder of the uveal tract, • Ocular tumours • Disorders of posterior chamber & retina - retinal and vitreous problems • Retinal detachment • Ocular emergencies and their prevention • Blindness • National Blindness Control Program o Eye Banking o Eye prostheses and Rehabilitation <p>Role of nurse - Communication with visually impaired patient, Eye camps Special Therapies Nursing procedures Drugs used in treatment of disorders of eye</p>	<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 	<ul style="list-style-type: none"> - Essay type - Short answers - Objectives type - Assessment of skills with check list - Assessment of patient management problem

III	16	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures & nursing management of patients with Neurological disorders	<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 Scale • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & Surgical nursing management of neurological disorders - <ul style="list-style-type: none"> • Congenital malformations • Headache • Head Injuries • Spinal Injuries - <ul style="list-style-type: none"> o Paraplegia o Hemiplegia o Quadraplegia • Spinal cord compression - herniation of inter-vertebral disc • Tumors of the brain & spinal cord • Intra cranial & cerebral aneurysms • Infections : <ul style="list-style-type: none"> o Meningitis, Encephalitis, Brain abscess, neurocysticercosis • Movement disorders - <ul style="list-style-type: none"> o Chorea o Seizures o Epilepsies • Cerebro Vascular Accidents (CVA) • Cranial, Spinal Neuropathies - Bell's palsy, trigeminal neuralgia • Peripheral Neuropathies - Guillain-Barr'e Syndrome • Myasthenia gravis • Multiple sclerosis • Degenerative diseases - <ul style="list-style-type: none"> o Delirium o Dementia o Alzheimer's disease o Parkinson's disease 	<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 rehabilitation centre 	<ul style="list-style-type: none"> - Essay type - Short answers - Objectives type - Assessment of skills with check list - Assessment of patient management problem
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			<ul style="list-style-type: none"> • Management of unconscious patients & patients with stroke • Role of the nurse in communicating with patient having neurological deficit • Rehabilitation of patients with neurological deficit <p>Role of nurse in long stay facility (institutions) and at home Special Therapies Nursing procedures Drugs used in treatment of neurological disorders</p>		
IV	16	<p>Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures & nursing management of patients with disorders of female reproductive system</p> <p>Describe concepts of reproductive health & family welfare programme</p>	<p>Nursing management of patients with disorders of female reproductive system :</p> <ul style="list-style-type: none"> • 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 of disorder of female reproductive system - • Congenital abnormalities of female reproductive system • Sexuality & 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 & cervical disorders - Endometriosis, polyps, Fibroids, Cervical & uterine tumours, uterine displacement, Cystocele, Urethrocele & Rectocele • Vaginal disorders – Infections, Discharges, Fistulas • Vulver Disorders – Infection, cysts, tumours 	<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 - Objectives type - Assessment of skills with check list - Assessment of patient management problem

			<ul style="list-style-type: none"> • Diseases of breasts - Deformities, Infections, Cysts and Tumours • Menopause and Hormonal Replacement Therapy • Infertility • Contraception – Types, Methods, Risk and effectiveness ○ Spacing Methods - - Barrier methods, Intra Uterine Devices, Hormonal & Post Conceptional Methods, etc ○ Terminal methods - Sterilization • Emergency Contraception methods • Abortion – Natural, Medical & surgical abortion – MTP Act • Toxic Shock Syndrome • Injuries & Trauma; Sexual violence <p>Special Therapies Nursing procedures Drugs used in treatment of gynaecological disorders National Family Welfare Programme</p>		
V	10	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures & nursing management of patients with Burns, re-constructive and cosmetic surgery	<p>Nursing management of patients with Burns, re-constructive & cosmetic surgery :</p> <ul style="list-style-type: none"> • Review of anatomy and physiology of the skin & connective tissues and various deformities • Nursing Assessment - History and Physical assessment & Assessment of burns & fluid and electrolyte loss • Etiology, classification, pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & Surgical nursing management of Burns & Re-constructive and Cosmetic surgery - • Types of Re-constructive and Cosmetic surgery - for burns, congenital deformities, injuries & cosmetic purposes • Role of Nurse • Legal aspects 	<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 - Objectives type - Assessment of skills with check list - Assessment of patient management problem

			<ul style="list-style-type: none"> • Rehabilitation • Special therapies - Psycho social aspects <p>Nursing procedures Drugs used in treatment of Burns, re-constructive and cosmetic surgery</p>		
VI	10	Describe the etiology, pathophysiology, clinical manifestations, diagnostic measures & nursing management of patients with Oncology	<p>Nursing management of patients with oncological conditions :</p> <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 & Colon, Liver, Leukemias & lymphomas, Breast, Cervix, Ovary, Uterus, Sarcoma, Brain, Renal, Bladder, Prostate, etc • Oncological emergencies • Modalities of treatment - <ul style="list-style-type: none"> o Immunotherapy o Chemotherapy o Radiotherapy o Surgical Interventions o Stem cell and Bone marrow transplants o Gene therapy o Other forms of treatment • Psychosocial aspects of cancer • Rehabilitation • Palliative care - Symptom and Pain Management, Nutritional support • Home care • Hospice care • Stomal Therapy • Special therapies - Psycho social aspects • Nursing procedures 	<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 - Objectives type - Assessment of skills with check list - Assessment of patient management problem

VII	10	<p>Describe organization of emergency & disaster care services</p> <p>Describe the role of nurse in disaster management</p> <p>Describe the role of nurse in management of common Emergencies</p>	<p>Nursing management of patient in Emergency & Disaster situations :</p> <p>Disaster Nursing -</p> <ul style="list-style-type: none"> • Concepts & principles of Disaster Nursing • Causes and Types of Disaster - Natural and Man-made ○ Earthquakes, Floods, Epidemics, Cyclones ○ Fire, Explosion, Accidents ○ Violence, Terrorism - Biochemical & War • Policies related to emergency / disaster management - International, National, State, Institutional • Disaster preparedness • Team, Guidelines, protocols, Equipments, Resources • Co-ordination and involvement of - Community, various govt. departments, non-govt. organizations & International agencies • Role of nurse - working • Legal Aspects of Disaster Nursing • Impact on Health and after effects - Post Traumatic Stress Disorder • Rehabilitation - physical, psycho-social, financial, relocation <p>Emergency Nursing -</p> <ul style="list-style-type: none"> • Concept, priorities, principles & scope of emergency nursing • Organization of emergency services-physical set up, staffing, equipment and supplies, protocols, Concepts of triage & role of triage nurse • Coordination & involvement of different departments & facilities • Nursing Assessment - History and Physical assessment • Etiology, Pathophysiology , clinical manifestations, diagnosis, treatment modalities and medical & Surgical nursing management of patient with 	<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 • Disaster management drills 	<ul style="list-style-type: none"> - Essay type - Short answers - Objectives type - Assessment of skills with check list - Assessment of patient management problem
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			<p>medical & surgical Emergency -</p> <ul style="list-style-type: none"> • Principles of emergency management • Common Emergencies • Respiratory Emergencies • Cardiac Emergencies • Shock & Haemorrhage • Pain • Poly - Trauma, road accidents, crush injuries, wound • Bites • Poisoning - Food, Gas, Drugs & Chemical poisoning • Seizures • Thermal Emergencies - Heat stroke & Cold injuries • Paediatric Emergencies • Psychiatric Emergencies • Obstetrical Emergencies • Violence, Abuse, Sexual assault • Cardio Pulmonary Resuscitation • Crisis Intervention • Role of the nurse - Communication & Inter personal Relations • Medico-Legal Aspects 		
VIII	10	<p>Explain the concept and problems of Ageing</p> <p>Describe nursing care of the elderly</p>	<p>Nursing care of the elderly :</p> <ul style="list-style-type: none"> • Nursing Assessment – History & Physical assessment • Ageing • Demography - Myths and realities • Concepts & theories of ageing • Cognitive Aspects of Ageing • Normal biological ageing • Age related body systems changes • Psychosocial Aspects of Ageing • Medications and elderly • Stress & coping in older adults • Common Health Problems & Nursing Management - Cardiovascular, Respiratory, Musculoskeletal, Endocrine, genitor-urinary, Gastrointestinal, Neurological, Skin and other Sensory organs ○ Psychosocial and Sexual ○ Abuse of elderly 	<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 old age home 	<ul style="list-style-type: none"> - Essay type - Short answers - Objectives type - Assessment of skills `with check list - Assessment of patient management problem

			<ul style="list-style-type: none"> • Role of nurse for care of elderly-ambulation, nutritional, communicational, psychosocial & spiritual • Role of nurse for caregivers of elderly • Role of family and formal and non formal caregivers • Use of aids & prosthesis (hearing aids, dentures) • Legal & Ethical Issues • Provisions & Programmes for elderly - Privileges, Community Programs and health services • Home & institutional care 		
IX	10	<p>Describe organization of critical care units</p> <p>Describe the role of nurse in management of patients in critical care units</p>	<p>Nursing management of patient in critical care units :</p> <ul style="list-style-type: none"> • Nursing Assessment – History & Physical assessment • Classification • Principles of critical care nursing • Organization - Physical set-up, Policies, Staffing norms • Protocols, equipment and supplies • Special equipments - ventilators, cardiac monitors, defibrillators, Resuscitation equipments • Infection Control Protocols • Nursing management of critically ill patient - Monitoring of critically ill patient • CPR - Advance Cardiac Life support • Treatments & procedures • Transitional care • Ethical & Legal Aspects • Communication with patient and family • Intensive care records • Crisis Intervention • Death & Dying - coping with such a patient • Drugs used in critical care unit 	<ul style="list-style-type: none"> • Lecture Discussion • Explain using Charts, graphs, Models, films, slides • Demonstration • Role plays • Counselling • Practice session • Case discussions/ Seminar • Health education • Supervised clinical practice • Drug book/ presentation 	<ul style="list-style-type: none"> - Essay type - Short answers - Objectives type - Assessment of skills with check list - Assessment of patient management problem
X	8	Describe the etiology, pathophysiology,	<p>Nursing management of patients (adults including elderly) with Occupational and Industrial health disorders :</p>	<ul style="list-style-type: none"> • Industrial visit 	<ul style="list-style-type: none"> • Report of visit

		<p>clinical manifestations, assessment, diagnostic measures & management of patients with Occupational and Industrial health disorder</p>	<ul style="list-style-type: none"> • Nursing Assessment –History & Physical assessment • Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & Surgical nursing management of Occupational and Industrial health disorders • Role of nurse Special Therapies, alternative therapies Nursing procedures Drugs used in treatment of Occupational & Industrial disorders 		
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Medical Surgical Nursing – II Practical

(Adult and Geriatrics) – II

Placement -Third Year

Time - Theory – 120 hrs
Practical – 270 hrs
Internship – 430 hrs

Areas	Durati on (in wks)	Objectives of Posting	Skills to be developed	Assignment s	Assessment methods
ENT	1	Provide care to patients with ENT disorders Counsel and educate patient and families	<ul style="list-style-type: none"> • Perform examination of ear, nose and throat • Assist with diagnostic procedures • Assist with therapeutic procedures • Instillation of drops • Perform/assist with irrigations • Apply ear bandage • Perform tracheostomy care • Teach patients & families 	Provide care to 2-3 assigned patients Nursing care plan -1 Observation reports of OPD Maintain drug book	<ul style="list-style-type: none"> - Assess each skill with check-list - 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	<ul style="list-style-type: none"> • 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 & families 	Provide care to 2-3 assigned patients Nursing care plan -1 Observation reports of OPD & Eye bank Maintain drug book	<ul style="list-style-type: none"> - Assess each skill with checklist - Assess performance with rating scale - Evaluation of observation report of OPD / Eye bank - Completion of activity record

Neurology	2	<p>Provide care to patients with neurological disorders</p> <p>Counsel and educate patient and families</p>	<ul style="list-style-type: none"> • Perform Neurological Examination • Use Glasgow coma scale • Assist with diagnostic procedures • Assist with therapeutic procedures • Teach patients & families • Participate in rehabilitation program 	<p>Provide care to assigned 2-3 patients</p> <p>Case study/ case presentation – 1</p> <p>Maintain drug book</p> <p>Health teaching-1</p>	<ul style="list-style-type: none"> - Assess each skill with checklist - Assess performance with rating scale - Evaluation of case study & health teaching - Completion of activity record
Gynaecology ward	1	<p>Provide care to patients with gynaecological disorders</p> <p>Counsel and educate patient and families</p>	<ul style="list-style-type: none"> • Assist with gynaecological Examination • Assist with diagnostic procedures • Assist with therapeutic procedures • Teach patients & families • Teaching Breast Self Examination • Assist with PAP smear collection 	<p>Provide care to 2-3 assigned patients</p> <p>Nursing care plan -1</p> <p>Maintain drug book</p>	<ul style="list-style-type: none"> - Assess each skill with checklist - Assess performance with rating scale - Evaluation of care plan - Completion of activity record
Burns Unit	1	<p>Provide care to patients with Burns</p> <p>Counsel and educate patient and families</p>	<ul style="list-style-type: none"> • Assessment of the burns patient • Percentage of burns • Degree of burns • Fluid & electrolyte replacement therapy – Assess, Calculate, Replace • Record intake/output • Care of Burn wounds – Bathing, Dressing 	<p>Provide care to 1-2 assigned patients</p> <p>Nursing care plan - 1</p> <p>Observation reports of Burns unit</p>	<ul style="list-style-type: none"> - Assess each skill with checklist - Assess performance with rating scale - Evaluation of care plan - Completion of activity record

			<ul style="list-style-type: none"> • Perform active & passive exercises • Practice medical & surgical asepsis • Counsel & Teach patients and families • Participate in rehabilitation program 		
Onology Unit	1	<p>Provide care to patients with Cancer</p> <p>Counsel and educate patient and families</p>	<ul style="list-style-type: none"> • Screen for common cancers - TNM classification • Assist with diagnostic procedures – Biopsies, Pap smear, Bone-marrow aspiration • Breast examination • Assist with therapeutic procedures • Participate in various modalities of treatment – Chemotherapy, Radiotherapy • Pain management • Stoma therapy • Hormonal therapy • Immuno therapy • Gene therapy • Alternative therapy • Participating palliative care • Counsel and teach patients families • Breast Self Examination • Warning signs 	<p>Provide care to 2-3 assigned patients</p> <p>Nursing care plan -1</p> <p>Observation report of cancer unit</p>	<ul style="list-style-type: none"> - Assess each skill with checklist - Assess performance with rating scale - Evaluation of care plan - Completion of activity record

			<ul style="list-style-type: none"> Participate in rehabilitation program 		
Critical care unit	2	<p>Provide care to critically ill patients</p> <p>Counsel patient and families for grief and bereavement</p>	<ul style="list-style-type: none"> 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 interpret ABG analysis Assist with arterial puncture Maintain CVP line Pulse oximetry CPR – ALS Defibrillators Pace makers Bag - mask ventilation Emergency tray / trolley Administration of drugs - Infusion pump, Epidural, Intrathecal, Intracardiac Total parenteral therapy Chest physiotherapy Perform active & passive exercises Counsel the patient and family in dealing with grieving and bereavement 	<p>Provide care to 1 assigned patient</p> <p>Observation report of critical care unit</p> <p>Drugs book</p>	<ul style="list-style-type: none"> Assess each skill with checklist Assess performance with rating scale Evaluation of observation report Completion of activity record

Casualty / Emergency	1	Provide care to patients in emergency and disaster situation Counsel patient and families for grief and bereavement	<ul style="list-style-type: none"> Practice "Triage" Assist with assessment, examination, investigations & their interpretations in emergency & disaster situations Assist in documentations Assist in legal procedures in emergency unit Participate in managing crowd Counsel patient & families in grief and bereavement 	Observation report of emergency unit	<ul style="list-style-type: none"> Assess performance with rating scale Evaluation of observation report Completion of activity record
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Placement - Internship

Time - 9 weeks

Areas	Duration (in week)	Objective	Skills	Assessment
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	Assist with common operations		
Critical care unit / ICCU	1			
Casualty/Emergency	2			
Operation Theatre (Eye, ENT, Neuro)	2			

Child Health Nursing

Placement - Third Year

Time -Theory - 90 hours

Practical - 270 hours

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>Introduction modern concepts of childcare :</p> <ul style="list-style-type: none"> • Internationally accepted rights of the child • National policy & legislations in relation to child health and welfare • National programmes related to child health and welfare • Agencies related to welfare services to the children • Changing trends in hospital care - preventive, promotive & curative aspects of child health • Child morbidity and mortality rates • Differences between an adult and child • Hospital environment for a sick child • Impact of hospitalization on the child and family • Grief and bereavement • The role of a Child health nurse in caring for a hospitalised child • Principles of pre and post operative care of infants and children • Child health nursing procedures 	<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

		Describe the principles of child health nursing			
II	20	<p>Describe the Normal growth & development of children at different ages</p> <p>Identify the needs of children at different ages & provide parental guidance</p> <p>Identify the nutritional needs of children at different ages and ways of meeting the needs</p> <p>Appreciate the role of play for normal & sick children</p> <p>Appreciate the preventive measures and strategies for children</p>	<p>The healthy child :</p> <ul style="list-style-type: none"> • 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 on study of normal and sick child • Field visit to Anganwadi, Child guidance clinic • Film show on breast feeding • Clinical practice / field 	<ul style="list-style-type: none"> - Short answers - Objective type - Assessment of field visits and developmental study reports
III	15	Provide care to normal & high risk neonates	<p>Nursing care of a neonate :</p> <ul style="list-style-type: none"> • Nursing care of a normal newborn / Essential newborn care • Neonatal resuscitation 	<ul style="list-style-type: none"> • Lecture Discussion • Workshop 	<ul style="list-style-type: none"> - Short answers - Objective type -

		<p>Perform neonatal resuscitation</p> <p>Recognize and manage common neonatal problems</p>	<ul style="list-style-type: none"> • Nursing management of a low birth weight baby • Kangaroo mother care • Nursing management of common neonatal disorders • Organization of neonatal unit • Identification & nursing management of common congenital malformations 	<p>neonatal resuscitation</p> <ul style="list-style-type: none"> • Demonstration • Practice session • Clinical practice 	<p>Assessment of skills with checklist</p>
IV	10	-	Integrated management of neonatal and childhood illnesses (IMNCI)	-	-
V	20	<p>Provide nursing care in common childhood diseases</p> <p>Identify measures to prevent common childhood diseases including immunization</p>	<p>Nursing management in common childhood diseases :</p> <ul style="list-style-type: none"> • Nutritional deficiency disorders • Respiratory disorders and infections • Gastrointestinal infections, infestations and congenital disorders • Cardio vascular problem - congenital defects and rheumatic fever, rheumatic heart disease • Genitor-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, & ears • Common communicable diseases in children, their identification, nursing management in hospital and home and prevention 	<ul style="list-style-type: none"> • Lecture Discussion • Demonstration • Practice session • Clinical practice 	<p>- Short answers</p> <p>- Objective type</p> <p>- Assessment of skills with checklist</p>

			<ul style="list-style-type: none"> • Child health emergencies - poisoning, foreign bodies, haemorrhage, burns & drowning • Nursing care of infant and children with HIV / AIDS 		
VI	10	<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 • Child Guidance Clinics 	<ul style="list-style-type: none"> • Lecture Discussion • Field visits to Child Guidance Clinics, school for mentally & physically , socially challenged 	<ul style="list-style-type: none"> - Short answers - Objective type - Assessment of field reports.

Child Health Nursing – Practical

Placement - Third Year
Fourth Year

Time -270 hours (9 Weeks)
Internship -145 hours (3 Weeks)

Areas	Durati on (in weeks)	Objectives	Skills	Assignment s	Assessment Methods
Paediatr ic Medicin e ward	3	Provide nursing care to children with various medical disorders Counsel and educate parents	<ul style="list-style-type: none"> • Taking paediatric History • Physical examination and assessment of children • Administration of oral, IM & IV medicine / fluids • Calculation of fluid requirements • Prepare different strengths of IV fluids • Apply restraints • Administer O₂ inhalation by different methods • Give baby bath Feed children by Katori spoon, etc. • Collect specimens for common investigations • Assist with common diagnostic procedures • Teach mothers / parents - <ul style="list-style-type: none"> o Malnutrition o Oral rehydration therapy o Feeding & Weaning o Immunization Schedule o Play therapy o Specific Disease conditions 	Give care to 3 assigned paediatric patients Nursing Care Plan – 1 Case study/presentations-1 Health Talk -1	Assess clinical performance with rating scale Assess each skill with checklist OSCE/ OSPE Evaluation of care plan, case study/presentation & Health education session Completion of activity record
Paediatr ic Surgery	3	Recognize different paediatric	<ul style="list-style-type: none"> • Calculate, prepare and administer I/V 	Give care to 3 assigned paediatric	Assess clinical performance with rating scale

Ward		<p>surgical conditions / malformations</p> <p>Provide pre and post operative care to children with common paediatric surgical conditions / malformation</p> <p>Counsel and educate parents</p>	<p>fluids</p> <ul style="list-style-type: none"> • Do bowel wash • Care for ostomies : <ul style="list-style-type: none"> o Colostomy irrigation o Ureterostomy o Gastrostomy o Enterostomy • Urinary catheterization and drainage • Feeding – Nasogastric, Gastrostomy, Jejunostomy • Care of surgical wounds – Dressing & Suture removal 	<p>surgical patients</p> <p>Nursing Care Plan – 1</p> <p>Case study/presentation-1</p>	<p>Assess each skill with checklist OSCE/ OSPE</p> <p>Evaluation of care plan, case study/presentation</p> <p>Completion of activity record</p>
Paediatric OPD/ Immunization room	1	<p>Perform assessment of children - Health, Developmental and Anthropometric</p> <p>Perform Immunization</p> <p>Give Health Education / Nutritional Education</p>	<ul style="list-style-type: none"> • Assessment of children - Health assessment, Developmental assessment, Anthropometric assessment • Immunization • Health / Nutritional Education 	<p>Developmental study -1</p>	<p>Assess clinical performance with rating scale</p> <p>Completion of activity record</p>
Paediatric medicine and surgery ICU	1+1	<p>Provide nursing care to critically ill children</p>	<ul style="list-style-type: none"> • Care of a baby in incubator / warmer • Care of a child on ventilator • Endotracheal suction • Chest physiotherapy • Administer fluids with infusion pump • Total parenteral nutrition • Phototherapy • Monitoring of babies 	<p>Nursing care plan - 1</p> <p>Observation report - 1</p>	<p>Assess clinical performance with rating scale</p> <p>Completion of activity record</p> <p>Evaluation of Care plan & observation report</p>

			<ul style="list-style-type: none"> • Cardio Pulmonary Resuscitation – Neonatal & Paediatric 		
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Internship

Internship -145 hours (3 Weeks)

Areas	Duration (in week)	Objective	Skills	Assessment
Paediatric medicine ward / ICU	1	Provide comprehensive care to children with medical conditions	Integrated Practice	Assess clinical performance with rating scale
Paediatric 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

Time - Theory - 90 hours

Practical - 270 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
I	5	Describe 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 Discuss the scope of mental health nursing Describe the concept	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 	Lecture Discussion Field visit	- Short answers - Objective type - Assessment of field visit reports.

		of normal & abnormal behaviour			
II	5	<p>Define the various terms used in mental health nursing</p> <p>Explain the classification of mental disorders</p> <p>Explain psychodynamics of maladaptive behaviour</p> <p>Discuss the etiological factors, psychopathology of mental disorders</p> <p>Explain the Principles & standards of mental health nursing</p> <p>Describe the conceptual models of mental health nursing</p>	<p>Principles and Concepts of Mental Health Nursing :</p> <ul style="list-style-type: none"> • Definition - mental health nursing and terminology used • Classification of mental disorders - ICD • Review of personality development, defence mechanisms • Maladaptive behaviour of individuals and groups - stress, crisis and disaster(s) • Etiology-bio-psycho-social factors • Psychopathology of mental disorders - review of structure & function of brain, limbic system and abnormal neuro transmission • Principles of Mental health Nursing • Standard of mental health nursing practice • Conceptual models and the role of nurse - <ul style="list-style-type: none"> ○ Existential Model ○ Psycho - analytical models ○ Behavioural model ○ Interpersonal model 	<p>Lecture discussion</p> <p>Explain using charts</p> <p>Review of personality development</p>	<p>- Short answers</p> <p>- Objective type</p> <p>- Essay type</p>
III	8	Describe nature, purpose & process of assessment of mental health	<p>Assessment of mental health status :</p> <ul style="list-style-type: none"> • History taking • Mental status examination • Mini mental status examination 	<p>Lecture discussion</p> <p>Demonstration</p> <p>Practice session</p>	<p>- Short answers</p> <p>- Objective type</p> <p>- Assessment of skills</p>

		status	<ul style="list-style-type: none"> • Neurological examination - review • Investigations - Related Blood chemistry, EEG, CT & MRI • Psychological tests • Role and Responsibilities of nurse 	Clinical practice	with check list
IV	6	<p>Identify therapeutic communication techniques</p> <p>Describe therapeutic relationship</p> <p>Describe therapeutic impasse and its intervention</p>	<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 • Elements of nurse patient contract • Review of technique of IPR-Johari Window • Goals, phases, tasks, therapeutic techniques • Therapeutic impasse and its intervention 	<p>Lecture discussion</p> <p>Demonstration</p> <p>Role play</p> <p>Process recording</p>	<p>- Short answers</p> <p>- Objective type</p>
V	14	Explain treatment modalities & therapies used in mental disorders and role of the nurse	<p>Treatment modalities and therapies used in mental disorders :</p> <ul style="list-style-type: none"> • Psycho Pharmacology • Psychological therapies - Therapeutic community, Psycho therapy-individual-psycho-analytical, cognitive & supportive, Family, Group, behavioural. Play, Psycho-drama, Music, Dance, Recreational & Light therapy, Relaxation therapies -Yoga, Meditation, bio feedback • Alternative systems of medicine • Occupational therapy • Physical Therapy - Electro convulsive therapy • Geriatric considerations <p>Role of nurse in above therapies</p>	<p>Lecture discussion</p> <p>Demonstration</p> <p>Group work</p> <p>Practice session</p> <p>Clinical practice</p>	<p>- Short answers</p> <p>- Objective type</p> <p>- Essay type.</p>
VI	5	Describe the etiology, psychopathology, clinical	<p>Nursing management of patient with Schizophrenia and other psychotic disorders :</p> <ul style="list-style-type: none"> • Classification - ICD • Etiology, psycho-pathology, types, clinical manifestations, 	<p>Lecture discussion</p> <p>Case discussion</p> <p>Case</p>	<p>- Short answers</p> <p>- Assessment of patient management</p>

		manifestations, diagnostic criteria & management of patients with Schizophrenia and other psychotic disorders	<p>diagnosis</p> <ul style="list-style-type: none"> • Nursing Assessment - History, Physical & mental assessment • Treatment modalities and nursing management of patients with Schizophrenia & other psychotic disorders • Geriatric considerations • Follow up and home care and rehabilitation 	<p>presentation</p> <p>Clinical practice</p>	<p>t problems</p> <p>- Essay type.</p>
VII	5	Describe the etiology, psychopathology, 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 & 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 	<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>
VIII	8	Describe the etiology, psychopathology, 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> <ul style="list-style-type: none"> • Anxiety disorder - Phobias, Dissociation and Conversion disorder, Obsessive Compulsive Disorder, somatoform disorders, Post traumatic stress disorder • Etiology, psycho-pathology, clinical manifestations, diagnosis • Nursing Assessment- History, Physical & mental assessment • Treatment modalities and nursing management of patients with neurotic, stress related and somatization disorders 	<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>

			<ul style="list-style-type: none"> • Geriatric considerations • Follow-up and home care and rehabilitation 		
IX	5	Describe the etiology psychopathology, clinical manifestations, diagnostic criteria and management of patients with substance use disorders	Nursing management of patient with substance use disorders : <ul style="list-style-type: none"> • Commonly used psychotropic substance - Classification, forms, routes, action, intoxication & withdrawal • Etiology of dependence - tolerance, psychological and physical dependence, withdrawal syndrome, diagnosis • Nursing Assessment - History, Physical, mental assessment and drug assay • Treatment (detoxification, antagonism and narcotic antagonist therapy and harm reduction) & nursing management of patients with substance use 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
X	4	Describe the etiology psychopathology, clinical manifestations, diagnostic criteria and management of patients with Personality, Sexual & Eating disorders	Nursing management of patient with Personality, Sexual & Eating disorders : <ul style="list-style-type: none"> • Classification of disorders • Etiology, psycho-pathology, characteristics, diagnosis • Nursing assessment - History, Physical and mental assessment • Treatment modalities and nursing management of patients with Personality, Sexual & Eating 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
XI	6	Describe the etiology psychopathology, clinical manifestations, diagnostic	Nursing management of childhood and adolescent disorders including mental deficiency : <ul style="list-style-type: none"> • Classification • Etiology, psycho-pathology, characteristics, diagnosis • Nursing assessment - 	Lecture discussion Case discussion Case presentation	- Essay type - Short answers - Assessment of patient management problems

		criteria and management of childhood and adolescent disorders including mental deficiency	<p>History, Physical, mental and IQ assessment</p> <ul style="list-style-type: none"> • Treatment modalities and nursing management of childhood disorders including mental deficiency • Follow-up and home care and rehabilitation 	Clinical practice	
XII	5	Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of organic brain disorders	<p>Nursing management of organic brain disorders :</p> <ul style="list-style-type: none"> • Classification - ICD • Etiology, psychopathology, 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 	<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>
XIII	6	Identify psychiatric emergencies and carry out crisis intervention	<p>Psychiatric emergencies and crisis intervention :</p> <ul style="list-style-type: none"> • Types of psychiatric emergencies and their management • Stress adaptation Model - stress and stressor, coping, resources and mechanism • Grief-theories of grieving process, principles, techniques of counselling • Types of crisis • Crisis Intervention- Principles, Techniques and Process • Geriatric considerations • Role and responsibilities of nurse 	<p>Lecture discussion</p> <p>Case discussion</p> <p>Case presentation</p> <p>Clinical practice</p>	<p>- Short answers</p> <p>- Objectives types</p>
XIV	4	Explain legal aspects applied in mental health settings and	<p>Legal issued in Mental Health Nursing :</p> <ul style="list-style-type: none"> • The Mental Health Act 1987 - Act, Sections, Articles & their implications etc. • Indian Lunacy Act - 1912 • Rights of mentally ill clients 	<p>Lecture discussion</p> <p>Case discussion</p>	<p>- Short answers</p> <p>- Objectives types</p>

		role of the nurse	<ul style="list-style-type: none"> • Forensic psychiatry • Acts related to narcotic and psychotropic substances and illegal drug trafficking • Admission and discharge procedures • Role and responsibilities of nurse 		
XV	4	Describe the model of preventive psychiatry Describes Community Mental health services & role of the nurse	Community Mental Health Nursing : <ul style="list-style-type: none"> • Development of Community Mental Health Services : • National Mental Health Programme • Institutionalization Versus De-institutionalization • 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. 	Lecture discussion Clinical / Field practice Field visits to mental health service agencies.	- Short answers - Objectives types - Assessment of the field visit reports

Mental Health Nursing – Practical

Placement - Third Year
Fourth Year

Time -Practical - 270 hours (9 Weeks)
Clinical Training - 95 hours (2 Weeks)

Areas	Durati on (in week)	Objectives	Skills	Assignment s	Assessment Methods
Psychiat ric OPD	1	Assess patients with mental health problems Observe & assist in therapies Counsel & educate patient, & families	<ul style="list-style-type: none"> • 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, MSE Assessment of observation report Completion of activity record
Child Guidanc e clinic	1	Assessment of children with various mental health problems Counsel and educate children, families & significant others	<ul style="list-style-type: none"> • History taking • Assist in psychometric assessment • Observe and assist in various therapies • Teach family and significant others 	Case work – 1 Observation report of different therapies - 1	Assess performance with rating scale Assess each skill with checklist Evaluation of the observation report & case work
Inpatien t ward	6	Assess patients with mental health problems To provide nursing care for patients with various mental health problems Assist in various therapies	<ul style="list-style-type: none"> • History taking • Perform mental status examination (MSE) • Perform Neurological examination • Assist in psychometric assessment • Record therapeutic communication 	Give care to 2-3 patients with various mental disorders Case study - 1 Care plan - 2 Clinical Presentation - 1 Process	Assess performance with rating scale Assess each skill with checklist Evaluation of the case study, care plan, clinical presentation, process recording

		Counsel & educate patients, families & significant others	<ul style="list-style-type: none"> • 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 	recording - 2 Maintain drug book	Completion of activity record
Community Psychiatry	1	<p>To identify patients with various mental disorders</p> <p>To motivate patients for early treatment & follow up</p> <p>To assist in follow up clinic</p> <p>Counsel and educate patient, family and community</p>	<ul style="list-style-type: none"> • 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 - 1 Observation report on field visits	<p>Assess performance with rating scale</p> <p>Evaluation of case work and observation report</p> <p>Completion of activity record</p>

Internship – 95 Hours (2 Weeks)

Areas	Duration (in week)	Objectives	Skills	Assessment Methods
Psychiatric Ward	2	Provide comprehensive care to patient with mental health problems	<ul style="list-style-type: none"> • Integrated practice 	Assess clinical performance with rating scale

Midwifery and Obstetrical Nursing

Placement - Third Year

Time - Theory - 90 hours

Practical - 180 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 women during antenatal, natal and post natal periods in hospitals and community settings. It also helps to develop skills in managing normal & high risk neonates & participate in family welfare programme.

Unit	Time (Hrs)	Learning Objectives	Content	Teaching Learning Activities	Assessment Methods
I	3	Recognise the trends & issues in midwifery and obstetrical nursing	<p>Introduction to midwifery and obstetrical Nursing :</p> <ul style="list-style-type: none"> • Introduction to concepts of midwifery and obstetrical nursing • Trends in midwifery and obstetrical nursing - <ul style="list-style-type: none"> ○ 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 & welfare ○ Maternal morbidity, mortality and fertility rates ○ Perinatal morbidity and mortality rates 	<p>Lecture discussion</p> <p>Explain using Charts and graphs</p>	<p>Short answers</p> <p>Objective type</p>
II	8	Describe the anatomy & physiology of female reproductive system	<p>Review of anatomy & physiology of female reproductive system and foetal development :</p> <ul style="list-style-type: none"> • Female pelvis- general description of the bones, joints, ligaments, planes of the pelvis, diameters of the true pelvis, important landmarks, variations in pelvis shape • Female organs of reproduction - external genitalia, internal genital organs and their anatomical relations, musculature, blood supply, nerves, 	<p>Lecture discussion</p> <p>Review with Charts and models</p>	<p>Short answers</p> <p>Objective type</p>

			<p>lymphatics, pelvic cellular tissue, pelvic peritoneum</p> <ul style="list-style-type: none"> • Physiology of menstrual cycle • Human sexuality • Foetal development - <ul style="list-style-type: none"> o Conception o Review of fertilization, implantation (embedding of the ovum), development of the embryo & placenta at term functions, abnormalities, foetal sac, amniotic fluid, the umbilical cord o Foetal circulation o Foetal skull, bones, sutures and measurements • Review of Genetics 		
III	8	Describe the diagnosis & management of women during antenatal period	<p>Assessment and management of pregnancy (Antenatal) :</p> <ul style="list-style-type: none"> • Normal pregnancy • Physiological changes during pregnancy - <ul style="list-style-type: none"> o Reproductive system o Cardio vascular system o Respiratory system o Urinary system o Gastro intestinal system o Metabolic changes o Skeletal changes o Skin changes o Endocrine system o Psychological changes o Discomforts of pregnancy • Diagnosis of pregnancy - <ul style="list-style-type: none"> o Signs o Differential diagnosis o Confirmatory tests • Ante-natal care - <ul style="list-style-type: none"> o Objectives o Assessment - History and physical examination, Antenatal Examination o Signs of previous child birth o Relationship of foetus to uterus and pelvis - Lie, Attitude, Presentation, Position o Per vaginal examination 	<p>Lecture Discussion</p> <p>Demonstration</p> <p>Case discussion / presentation</p> <p>Health talk</p> <p>Practice session</p> <p>Counselling session</p> <p>Supervised clinical practice</p>	<p>Short answers</p> <p>Objective type</p> <p>Assessment of skills with check list</p> <p>Assessment of patient management problem</p>

			<ul style="list-style-type: none"> • Screening & assessment for high risk • Risk approach • History and Physical Examination • Modalities of diagnosis - Invasive & Non-Invasive, ultrasonics, cardiotomography, NST, CST • Antenatal preparation - <ul style="list-style-type: none"> ○ Antenatal counselling ○ Antenatal exercises ○ Diet ○ Substance use ○ Education for child-birth ○ Husband and families ○ Preparation for safe-confinement ○ Prevention from radiation • Psycho-social and cultural aspects of pregnancy - <ul style="list-style-type: none"> ○ 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 - <ul style="list-style-type: none"> ○ <u>First stage</u> - • Signs and symptoms of onset of labour - normal & abnormal • Duration • Preparation of - Labour room & Woman • Assessment & observation of women in labour • Partogram – maternal and foetal monitoring • Active management of labour, induction of labour • Pain relief and comfort in labour ○ <u>Second stage</u> - • Signs and symptoms - normal & abnormal 	<p>Lecture Discussion</p> <p>Demonstration</p> <p>Case discussion/ 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 checklist</p> <p>Assessment of patient management problems</p>

			<ul style="list-style-type: none"> • Duration • Conduct of delivery - principles and techniques • Episiotomy (only if required) • Receiving the new born - <ul style="list-style-type: none"> - 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 ○ <u>Third stage</u> - <ul style="list-style-type: none"> • Signs and symptoms - normal & abnormal • Duration • Method of placental expulsion • Management - Principles and techniques • Examination of the placenta • Examination of perineum • Maintaining records and reports ○ <u>Fourth Stage</u> 		
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 - <ul style="list-style-type: none"> ○ Promoting physical and emotional well-being ○ Lactation management ○ Immunization • Family dynamics after child-birth • Family welfare services - methods, counselling • Follow-up • Records and reports 	<p>Lecture Discussion</p> <p>Demonstration</p> <p>Health talk</p> <p>Practice session</p> <p>Supervised clinical practice</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assessment of patient management problems</p> <p>Assessment of skills with check list</p>
VI	6	Describe the	Assessment and management of normal neonates :	Lecture Discussion	Essay type

		assessment and management of normal neonate	<ul style="list-style-type: none"> • 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 	<p>Demonstration</p> <p>Practice Session</p> <p>Supervised clinical practice</p>	<p>Short answers</p> <p>Objective type</p> <p>Assessment of patient management problems</p> <p>Assessment of skills with check list</p>
VII	10	Describe the Identification and management of women with high risk pregnancy	<p>High-risk pregnancy - Assessment & Management :</p> <ul style="list-style-type: none"> • Screening and assessment - Ultrasonics, cardiography, NST, CST, non-invasive & invasive, Newer modalities of diagnosis • High – risk approach • Levels of care - primary, secondary & tertiary levels • Disorders of pregnancy - <ul style="list-style-type: none"> ○ Hyper-emesis gravidarum, bleeding in early, pregnancy, abortion, ectopic Pregnancy, vesicular mole, ○ Ante-partum haemorrhage • Uterine abnormality and displacement • Diseases complicating pregnancy - <ul style="list-style-type: none"> ○ Medical and surgical conditions ○ Infections, RTI (STD), UTI, HIV, TORCH ○ Gynaecological diseases complicating pregnancy ○ Pregnancy induced hypertension & diabetes, Toxemia of pregnancy, hydramnios ○ Rh incompatibility ○ Mental disorders • Adolescent pregnancy, Elderly primi and grand 	<p>Lecture Discussion</p> <p>Demonstration using video films, scan report, partograph etc.</p> <p>Case discussion / presentations</p> <p>Health talk</p> <p>Practice Session</p> <p>Supervised clinical practice</p>	<p>Essay type</p> <p>Short answers</p> <p>Objective type</p> <p>Assessment of patient management problems</p> <p>Assessment of skills with check list</p>

			<ul style="list-style-type: none"> • 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	Describe management of abnormal labour and obstetrical emergencies	<p>Abnormal Labour – Assessment and Management :</p> <ul style="list-style-type: none"> • Disorders in labour - • CPD and contracted pelvis • Mal positions and Mal presentations • Premature labour, disorders of uterine actions - precipitate labour, prolonged labour • Complications of third stage - injuries to birth canal • Obstetrical emergencies & their management - Presentation and prolapse of cord, Vasa praevia, amniotic fluid embolism, rupture of uterus, shoulder dystocia, obstetrical 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 & procedures 	<p>Lecture Discussion</p> <p>Demonstration</p> <p>Case discussion / presentations</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 patient management problems</p> <p>Assessment of skills with check list</p>
IX	4	Describe management of postnatal complications	<p>Abnormalities during Postnatal Periods :</p> <ul style="list-style-type: none"> • Assessment and management of women with postnatal complications - Puerperal infections, breast engorgement & infections, UTI, Thrombo-embolic disorders, Post-partum haemorrhage, Eclampsia & Subinvolution 	<p>Lecture discussion</p> <p>Demonstration</p> <p>Case discussion / presentations</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 patient management problems</p>

			<ul style="list-style-type: none"> Psychological complications - Post partum Blues, Post partum Depression, Post partum Psychosis 		Assessment of skills with check list
X	10	Identify the high risk neonates and their nursing management	<p>Assessment and management of High risk newborn :</p> <ul style="list-style-type: none"> Admission of neonates in the neonatal intensive care units - protocols Nursing management of <ul style="list-style-type: none"> Low birth weight babies Infections Respiratory problems haemolytic disorders Birth injuries Malformations Monitoring of high risk neonates Feeding of high risk neonates Organisation & management of neonatal intensive care units Infection control in neonatal intensive care units Maintenance of reports and records 	Lecture discussion Demonstration Case discussion / presentations Practice Session Supervised clinical practice	Essay type Short answers Objective type Assessment of patient management problems Assessment of skills with check list
XI	4	Describe indication, dosage, action, side effects and nurses responsibilities in the administration of drugs used for mothers	<p>Pharmaco-therapeutics in obstetrics :</p> <ul style="list-style-type: none"> Indication, dosage, action, contra-indication & 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, anti-convulsants, Analgesics and anesthetics in obstetrics Effects of maternal medication on foetus & neonate 	Lecture discussions Drug book Drug presentation	Short answers Objective type
XII	10	Appreciate the importance of family welfare programme	<p>Family Welfare Programme :</p> <ul style="list-style-type: none"> Population trends and problems in India Concepts, aims, importance & history of family welfare programme 	Lecture Discussion Demonstration Practice session	Essay type Short answers

		Describe the methods of contraception & role of nurse in family welfare programme	<ul style="list-style-type: none"> • National Population - dynamics, policy & education • National family welfare programme - RCH, ICDS, MCH, Safe motherhood • Organization & administration at - national, state, district, block and village levels • Methods of contraception - spacing, temporary & permanent, emergency contraception • Infertility and its management • Counselling for family welfare • Latest research in contraception • Maintenance of vital statistics • Role of national, international & voluntary organizations • Role of a nurse in family welfare programme • Training / Supervision / Collaboration with other functionaries in community like ANMs, LHVs, Anganwadi workers, TBAs (Traditional birth attendant-Dai) 	<p>Supervised practice</p> <p>Group projecting</p> <p>Counselling session</p> <p>Field visits</p>	<p>Objective type</p> <p>Assessment of skills with check list, project and field visit reports</p>
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Midwifery and Obstetrical Nursing – Practical

Placement-Third Year & Fourth Year

Time- Practical - 180 hours

(Each in Third year & Fourth Year)

Internship - 240 hours

Areas	Duration (in week)	Objectives	Skills	Assignments	Assessment Methods
Antenatal clinic/ OPD	2	<ul style="list-style-type: none"> Assessment of pregnant women 	<ul style="list-style-type: none"> 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.	4	<ul style="list-style-type: none"> Assess women in labour Carry out per-vaginal examinations Conduct normal deliveries Perform episiotomy & suture it Resuscitate newborns Assist with Caesarean Sections, MTP and other surgical procedures 	<ul style="list-style-type: none"> Assessment of women in labour Per-vaginal examinations & interpretation Monitoring & caring of woman in labour Maintenance of partograph Conduct normal delivery Newborn assessment & immediate care Resuscitation of newborns Assessment of risk status of newborn Episiotomy & suturing Maintenance of labour & birth records 	Conduct normal deliveries-20 Per-vaginal examinations - 5 Perform & 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 check-lists Completion of case book recordings

			<ul style="list-style-type: none"> • Arrange for & assist with caesarean section and care for woman & baby during caesarean • Arrange for and assist with MTP and other surgical procedures 	<p>Assist with MTP & other surgical procedures-1</p> <p>Case book recordings</p>	
Post natal ward	4	<ul style="list-style-type: none"> • Providing nursing care to post natal mother & baby • Counsel & teach mother & family for parenthood 	<ul style="list-style-type: none"> • Examination and assessment of mother and baby • Identification of deviations • Care of postnatal mother and baby • Perineal care • Lactation management • Breast feeding • Baby bath • Immunization • Teaching postnatal mother : <ul style="list-style-type: none"> - Mother craft - Post natal care & Exercises - Immunization 	<p>Give care to Post natal mothers – 20</p> <p>Health talks – 1</p> <p>Case study – 1</p> <p>Case presentation -1</p> <p>Case book recordings</p>	<p>Assessment of clinical performance</p> <p>Assessment of each skill with check lists</p> <p>Completion of case book recording</p> <p>Evaluation of case study & presentation and health education sessions</p>
Newborn nursery	2	<ul style="list-style-type: none"> • Provide nursing care to newborn at risk 	<ul style="list-style-type: none"> • Newborn assessment • Admission of neonates • Feeding of at risk neonates - 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 	<p>Case study-1</p> <p>Observation study -1</p>	<p>Assessment of clinical performance</p> <p>Assessment of each skill with check lists</p> <p>Evaluation of case study and observation study</p>

			<ul style="list-style-type: none"> transfusion Care of baby on ventilator, Photo-therapy Infection control protocols in the nursery Teaching & counselling of parents Maintenance of neonatal records 		
Family Planning clinic	Rotation from post natal ward - 1 wk	<ul style="list-style-type: none"> Counsel for and provide family welfare services 	<ul style="list-style-type: none"> Counselling technique Insertion of IUD Teaching on use of family planning methods Arrange for & Assist with family planning operations Maintenance of records and reports 	IUD insertion -5 Observation study -1 Counselling -2 Simulation exercise on recording & reporting - 1	Assessment of each skill with check lists Evaluation of observation study

*** Essential Requirements for registration as midwife -**

S. N.	Assignments	Numbers
1.	Antenatal examination	30
2.	Conducting normal deliveries in hospital / home / health centre	20
3.	Vaginal examination	5
4.	Episiotomy and Suturing	5
5.	Neonatal resuscitation	5
6.	Assist with Caesarean Section	2
7.	Witness / Assist abnormal deliveries	5
8.	Postnatal cases nursed in hospital / home / health centre	20
9.	Insertion of IUD	5

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

Internship Obstetrical Nursing

Clinical Training Duration - 5 weeks

Area	Duration (in weeks)	Objective	Skills	Assignment	Assessment Methods
Labour ward	2	Provide comprehensive care to mothers and neonates	Integrated Practice	Completion of other essential requirements	Assess clinical performance with rating scale
Neonatal intensive care unit / NICU	1			Case book recordings	
Antenatal OPD / Ward	2			Completion of case book recordings	

Community Health Nursing – II

Placement - Fourth Year

Time - Theory - 90 Hours
Practical - 135 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	<p>Introduction :</p> <ul style="list-style-type: none"> * Definition, concept and scope of Community Health and Community Health Nursing * Historical development of <ul style="list-style-type: none"> o Community Health o Community Health Nursing <ul style="list-style-type: none"> - Pre - independence - Post - independence 	* Lecture discussion	- Essay type - Short answers
II	6	Describe health plans, policies, various health committees and health problems in India	<p>Health planning and policies and problems :</p> <ul style="list-style-type: none"> • National Health planning in India – 5 year plans • Various committees and commissions on health and family welfare - <ul style="list-style-type: none"> o Central Council for Health and Family Welfare (CCH and FW) o National Health Policies (1983, 2002) o National Population policy • Health problems in India 	* Lecture discussion * Panel discussion	- Essay type - Short answers
III	15	Describe the system of delivery of Community Health Services in Rural and Urban areas	<p>Delivery of Community Health Services :</p> <p>Planning, Budgeting and material management of SCs, PHC and CHC</p> <p>Rural - Organization, staffing and functions of Rural Health Services provided by Govt. at -</p> <ul style="list-style-type: none"> o Village o Sub-centre o Primary Health Centre o Community Health Centre / 	* Lecture discussion * Visits to various health delivery systems * Supervised field practice * Panel discussion	- Essay type - Short answers

		<p>List the functions of various levels and their staffing pattern</p> <p>Explain the components of health services</p> <p>Describe alternative system of health promotion and health maintenance</p> <p>Describe the chain of referral system</p>	<p>Sub divisional</p> <ul style="list-style-type: none"> o Hospitals – District, State & Central Level <p>Urban - Organisation, staffing and functions of urban health services provided by Govt. at -</p> <ul style="list-style-type: none"> o Slums o Dispensaries o Maternal and Child Health Centres o Special clinics o Hospitals - Corporation / Municipality / Board <p>Components of Health Services -</p> <ul style="list-style-type: none"> o Environmental sanitation o Health Education o Vital statistics o MCH – Antenatal, Natal, Postnatal, MTP act, Female Foeticide Act, Child Adaptation Act. o Family welfare o National Health programmes o School Health Services o Occupational Health o Defence services o Institutional services <p>Systems of medicine and health care -</p> <ul style="list-style-type: none"> o Allopathy o Indian system of medicine and Homeopathy o Alternative health care systems like yoga, meditation, social and spiritual healing, etc <p>Referral system</p>		
IV	25	<p>Describe Community Health Nursing approaches and concepts</p> <p>Describe the roles and responsibility of Community</p>	<p>Community Health Nursing approaches, concepts and roles and responsibilities of Nursing Personnel :</p> <p>Approaches -</p> <ul style="list-style-type: none"> o Nursing Theories and Nursing process o Epidemiological approach o Problem solving approach o Evidence based approach o Empowering people to care for themselves <p>Concepts of Primary Health Care -</p>	<p>* Lecture discussion</p> <p>* Demonstration</p> <p>* Practice session</p> <p>* Supervised field practice</p> <p>* Participation in camps</p> <p>* Group Project</p>	<p>- Essay type</p> <p>- Short answers</p>

		Health Nursing Personnel	<ul style="list-style-type: none"> ○ Equitable distribution ○ Community participation ○ Focus on prevention ○ Use of appropriate technology ○ Multi-sectoral approach <p>Roles and responsibilities of Community Health Nursing personnel in -</p> <ul style="list-style-type: none"> ○ Family Health services ○ Information education communication (IEC) ○ Management information system (MIS) - Maintenance of records and 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 centre, clinics, etc. <p>Home visit - concept, principles, process techniques - bag technique, home visit</p> <p>Qualities of community health nurse</p> <p>Job description of community Health Nursing personnel</p>		
V	15	Describe and appreciate the activities of community health nurse in assisting individuals	<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 - <ul style="list-style-type: none"> - Mile stones - Weight measurement 	<ul style="list-style-type: none"> * Lecture discussion * Demonstration * Practice session * Supervised field practice * Individual / group/family/ 	<ul style="list-style-type: none"> - Essay type - Short answers

		<p>and groups to promote and maintain their health</p>	<p>- Social development</p> <ul style="list-style-type: none"> ○ 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 check - up ○ Immunization ○ Counselling ○ Diagnosis ○ Treatment ○ Follow up <p>C. Maintenance of health records for self and family</p> <p>D. Continue medical care and follow up in community for various diseases and disabilities</p> <p>E Carry - out therapeutic procedures as prescribed / required for self and family</p> <p>F. Waste Management - Collection and disposal of waste at home and community</p> <p>G. Sensitize and handle social issues affecting health and development for self and family -</p> <ul style="list-style-type: none"> • Women Empowerment • Women and child abuse • Abuse of elders • Female Foeticide • Commercial sex workers • Food adulteration • Substance abuse <p>H. Utilize community resources for self and family -</p> <ul style="list-style-type: none"> ○ Trauma services ○ Old age homes ○ Orphanage ○ Homes for physically and 	<p>community health education</p>	
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			mentally challenged individuals o 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 7) National AIDS control programme 8) STD control programme 9) National programme for control of blindness 10) Iodine deficiency disorder programme 11) Expanded programme on immunization 12) National Family Welfare Programme - RCH Programme - historical development, organization, administration, research, constraints 13) National water supply and sanitation programme 14) Minimum Need programme 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) Twenty point programme 21) ICDS programme 22) Mid-day meal applied nutritional programme 23) National mental health programme Health Schemes – ESI, CGHS, Health insurance	* Lecture discussion * Participation in National Health Programmes * Field visits	- Essay type - Short answers
VII	5	Explain the	Health Agencies	* Lecture	- Essay type

		<p>roles and functions of various national and international health agencies</p>	<p>International – WHO, UNFPA, UNDP, World Bank, FAO, UNICEF, DANIDA, European Commission (EC), Red Cross, USAID, UNESCO, Colombo Plan, ILO, CARE etc.</p> <p>National – Indian Red Cross, Indian Council for Child Welfare, Family Planning Association of India (FPAI), Tuberculosis Association of India, Hindu Kusht Nivaran Sangh, Central Social Welfare Board, All India women’s conference, Blind Association of India etc.</p>	<p>discussion * Field Visits</p>	<p>- Short answers</p>
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Community Health Nursing – II – Practical

Placement - Fourth Year

Time - Practical - 135 hours

Internship - 195 hours

Areas	Duration (in week)	Objectives	Skills	Assignments	Assessment Methods
Community health nursing	1 wk. for Urban 4 wk for Rural	<p>Identify Community Profile</p> <p>Identify prevalent communicable and non-communicable diseases</p> <p>Diagnose health needs of individual, families and community</p> <p>Plan, provide and evaluate care</p> <p>Participate in School Health Program</p> <p>Participate in National Health programs</p> <p>Organize group for self help and involve clients in their own health activities</p> <p>Provide family welfare services</p> <p>Counsel and educate individual, family and community</p>	<p>* Community Health Survey</p> <p>* Community diagnosis</p> <p>* Family care - Home adaptation of common procedures</p> <p>* Home visit - bag technique</p> <p>* Organize and conduct clinics – antenatal, postnatal, well baby clinic, camps etc.</p> <p>* Screen, manage and referrals for :</p> <ul style="list-style-type: none"> o High risk mothers and neonates o Accidents and emergencies o Illness - Physical and mental Disabilities <p>* Conduct delivery at centre / home - Episiotomy and suturing</p> <p>* Resuscitate new born</p> <p>* School Health programme - Screen, manage, refer children</p> <p>* Collaborate with health and allied agencies</p> <p>* Train and supervise health workers</p> <p>* Provide family welfare services - Insertion of IUD</p> <p>* Counsel and teach individual, family and community about -</p>	<p>* Community survey report-1</p> <p>* Family care study-1</p> <p>* Project – 1</p> <p>* Health talk -1</p> <p>* Case book recording</p>	<p>Assess clinical performance with rating scale</p> <p>Evaluation of community survey report, family care study, project and health talk</p> <p>Completion of activity record.</p> <p>Completion of case book recording</p>

		<p>Collect vital health statistics</p> <p>Maintain records and reports</p>	<p>HIV, TB, Diabetics, hypertension, Mental health, adolescents, elderly health, physically and mentally challenged individuals etc.</p> <p>* Collect and Calculate Vital health statistics</p> <p>* Document and maintain -</p> <ul style="list-style-type: none"> o Individual, family and administrative records. o Write reports - centre, disease, national health programme / projects 		
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Placement - Internship

Time - 4 Weeks

Area	Duration	Objectives	Skills	Assessment
Urban	4 Weeks	Provide comprehensive care to individual, family and community	Integrated Practice and group project – 1 in 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 – 45 Hours
Practical - 45 Hours

Course Description-The course is designed to enable students to develop and 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	4	Describe the concept of research, terms, need and areas of research in Nursing Explain the steps of research process	Research and Research Process : * Introduction and need for nursing research * Definition of research & nursing research * Steps of scientific method * Characteristics of good research * Steps of Research process - overview	* Lecture discussion * Narrate steps of research process followed from examples of published studies	- Short answer - Objective type
II	3	Identify and state the research problem and objectives	Research problem / question : * Identification of problem area * Problem statement * Criteria of a good research problem * Writing objectives	* Lecture discussion * Exercise on writing statement of problem and objectives	- Short answer - Objective type
III	3	Review the related literature	Review of Literature : * Location * Sources * On-line search - CINHAL, COCHRANE etc * Purposes * Method of review	* Lecture discussion * Exercise on reviewing one research report/article for a selected research problem * Prepare annotated bibliography	- Short answer - Objective type
IV	4	Describe the research approaches and designs	Research approaches and designs : * Historical, survey and experimental * Qualitative and Quantitative designs	* Lecture discussion * Explain types of research approaches used from examples of	- Short answer - Objective type

				published and unpublished research studies with rationale	
V	8	<p>Explain the sampling process</p> <p>Describe the methods of data collection</p>	<p>Sampling and Data Collection :</p> <p>* Definition of population, sample, sampling criteria, factors influencing sampling process, types of sampling techniques</p> <p>* Data - why, what, from, whom, when , where to collect</p> <p>* Data collection methods and instruments :</p> <ul style="list-style-type: none"> o Methods of data collection o Questioning, interviewing o Observations, record analysis and measurements o Types of instruments o Validity and reliability of the instrument o Pilot study o Data collection procedure 	<p>* Lecture discussion</p> <p>* Reading assignment on examples of data collection tools</p> <p>* Preparation of sample data collection tools</p> <p>* Conduct group research project</p>	<p>- Short answer</p> <p>- Objective type</p>
VI	4	Analyse, interpret and summarize the research data	<p>Analysis of data :</p> <p>* Compilation, Tabulation, classification, summarization, presentation, interpretation of data</p>	<p>* Lecture discussion</p> <p>* Preparation of sample tables</p>	<p>- Short answer</p> <p>- Objective type</p>
VII	15	<p>Explain the use of statistics, scales of measurement and graphical presentation of data</p> <p>Describe the measures of central tendency and variability and methods of correlation.</p>	<p>Introduction to statistics :</p> <p>* Definition, use of statistics, scales of measurement</p> <p>* Frequency distribution and graphical presentation of India</p> <p>* Mean, Median, Mode, Standard deviation</p> <p>* Normal probability and tests of significance.</p> <p>* Co-efficient of correlation</p> <p>* Statistical packages and its application</p>	<p>* Lecture discussion</p> <p>* Practice on graphical presentation</p> <p>* Practice on computation of measures of central tendency, variability and correlation</p>	<p>- Short answer</p> <p>- Objective type</p>

VIII	4	Communicate and utilize the research findings	Communication and Utilization of Research : * Communication of Research findings <ul style="list-style-type: none"> o Verbal report o Writing research report o Writing scientific article / paper - Critical review of published research - Utilization of research findings 	* Lecture discussion * Read / presentations of a sample published / unpublished research report * Writing group research project	- Short answer - Objective type
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Management of Nursing Services and Education

Placement : Fourth Year

Time : 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
	Th.	Pr.				
I	4		Explain the principles and functions of management	Introduction to management in nursing : * Definition, concepts and theories * Functions of management * Principles of Management * Role of Nurse as a manager	* Lecture Discussion * Explain using organization chart	- Short answers
II	5		Describe the elements and process of management	Management Process : * Planning; mission, philosophy, objectives, operational plan * Staffing: Philosophy, staffing study, norms, activities, patient classification systems, scheduling * Human resource management: recruiting, selecting, deployment, retaining, promoting, super-superannuation, etc. * Budgeting: concept, principles, types, cost benefit analysis, audit * Material management: equipment and supplies * Directing process (Leading) * Controlling: Quality management * Program Evaluation Review Technique (PERT) , Bench marking, Activity Plan (Gantt Chart),	* Lecture Discussion * Simulated Exercises * Case studies	- Short answers - Essay type
III	8	20	Describe the Management of nursing services in the hospital	Management of nursing services in the hospital and Community : * Planning - o Hospital and patient care units including ward management	* Lecture Discussion * Demonstration * Simulated Exercises	- Short answers - Essay type - Assessment of problem solving

			and community	<ul style="list-style-type: none"> o Emergency and disaster management * Human resource management - <ul style="list-style-type: none"> o Recruiting, selecting, deployment, retaining, promoting, superannuation, etc. o Categories of nursing personnel including job description of all levels o Patient /population classification systems o Patients/population assignment and Nursing care responsibilities o Staff development and welfare * Budgeting - proposal, projecting requirements for staff, equipments and supplies for - <ul style="list-style-type: none"> o Hospital and patient care units o Emergency and disaster management * Material Management: procurement, inventory control, auditing and maintenance in - <ul style="list-style-type: none"> o Hospital and patient care units o Emergency and disaster management * Directing and leading - delegation, participatory management - <ul style="list-style-type: none"> o Assignments, rotations, delegations o Supervision & guidance o Implement standards, policies, procedures and practices o Staff development and welfare o Maintenance of discipline * Controlling / Evaluation - <ul style="list-style-type: none"> o Nursing Rounds/visits, Nursing protocols, 	<ul style="list-style-type: none"> * Case studies * Supervised practice in ward-writing indents, preparing duty roaster, ward supervision * Assignment on duties and responsibilities of ward sister * Writing report 	<p>exercise.</p> <ul style="list-style-type: none"> - Assessment of the assignment - Performance evaluation by ward sister with rating scale.
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				<p>Manuals</p> <ul style="list-style-type: none"> o Quality Assurance - Model, documentation o Records and reports <p>*Performance appraisal</p>		
IV	5		Describe the concepts, theories and techniques of Organizational behaviour and human relations	<p>Organizational behaviour and human relations :</p> <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 - <ul style="list-style-type: none"> o Communication o Interpersonal relationships o Human relations * Public relations in context of nursing * Relations with professional associations and employee unions and Collective bargaining 	<ul style="list-style-type: none"> * Lecture Discussion * Role plays * Group games * Self assessment * Case discussion * Practice Session 	<ul style="list-style-type: none"> - Short answers - Essay type - Assessment of problem solving
V	5	5	Participate in planning and organizing In-Service Education Program	<p>In -Service education :</p> <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 and evaluation of staff education program. * Preparation of report 	<ul style="list-style-type: none"> * Lecture Discussion * Plan and conduct an educational session for in-service nursing personnel 	<ul style="list-style-type: none"> - Short answers - Objective type - Assess the planning & conduct of the educational session
VI	10		Describe management of Nursing education institutions	<p>Management of nursing educational institutions :</p> <ul style="list-style-type: none"> * Establishment of Nursing educational institution - INC norms and guidelines * Co-ordination with - <ul style="list-style-type: none"> o Regulatory bodies o Accreditation o Affiliation - Philosophy/objectives - Organization o Structure o Committees - Physical facilities o College/School 	<ul style="list-style-type: none"> * Lecture Discussion * Role plays * Counselling session * Group Exercises 	<ul style="list-style-type: none"> - Short answers - Essay type

				<ul style="list-style-type: none"> ○ Hostel <ul style="list-style-type: none"> - Students <ul style="list-style-type: none"> ▪ Selection ▪ Admission ▪ Guidance and Counselling ▪ 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 ● Clinical facilities ● Transport facilities ● Institutional Records and reports – Administrative, faculty, staff and students. 		
VII	10		<p>Describe the ethical and legal responsibilities of a professional nurse.</p> <p>Explain the nursing practice standards</p>	<p>Nursing as a Profession :</p> <ul style="list-style-type: none"> * 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, ICN ○ Code of professional conduct - INC, ICN * Practice standards for Nursing - INC * Consumer protection Act * Legal aspects in Nursing 	<ul style="list-style-type: none"> * Lecture Discussion * Case discussion * Panel discussion * Role plays * Critical incidents * Visit to INC/SNRCs 	<ul style="list-style-type: none"> - Short answers - Assessment of critical incidents

				<ul style="list-style-type: none"> o Legal terms related to practice - registration and licensing o Laws related to Nursing practice, Breach and Penalties o Malpractice and negligence 		
VIII	3		Explain the various opportunities for professional advancement	Professional Advancement : * Continuing education * Career opportunities * Collective bargaining * Membership with professional organization - National and International * Participation in research activities * Publications - Journals, newspapers, etc.	* Lecture Discussion * Review / Presentation of published articles * Group work on maintenance of bulletin board.	- Short answers