

# **REVISED REGULATION**

**For**

**Basic B.Sc Nursing  
(Yearly programme)  
Effective from 2009**

**SIKSHA O ANUSANDHAN  
UNIVERSITY  
(Declared U/S 3 of UGC Act, 1956)  
(Faculty of Nursing)  
Bhubaneswar**

**Agenda: To accommodate the present 2<sup>nd</sup> Year Students (2007-08) batch in Academic Regulation 2009-2010 from 3<sup>rd</sup> Year onwards.**

Following amendments are needed in the Academic Regulations 2009-2010 governing the 2007-08-admission batch.

1) Inclusion of Supplementary Examination in the yearly pattern of B.Sc Nursing course as approved in the 7<sup>th</sup> academic council meeting..

Replace the 6.4 & 6.5 sub sections (Mode of Examination) by

6.4 Back paper examinations, if any shall be held within six months as Supplementary examination.

6.5 Students with backlog shall clear their arrear in Supplementary Examination.

**2) Mode of examination for two new subjects.**

**Add the following sub sections in the Section 6.**

6.19. Spoken English & personality development will be examined for 50 marks at College level and marks will be sent to University

6.20. Environmental studies are examined at college level. This carries 50 marks.

**Exam Pattern:** In case of awarding the marks, the question paper should carry 50 marks. The structure of the question paper being:

Part – A, Short answer patter	-	13 marks
Part – B, Essay type	-	25 marks
Part – C, Field Work	-	12 marks

3) For provision of Residence

Add the **Residence** in Clause 5 and previously mentioned Clause 5 read as Clause 6.

**Residence:**

5.1 The University is essentially a residential one and unless otherwise exempted/permitted, every student shall be required to reside in, and be a boarder of a Hostel to which they are assigned.

5.2 The terms and conditions that a student must fulfill during his/her stay in a Hostel of the University are mentioned in **Appendix – I**

**4. For introduction of Conduct and Discipline**

Add the Conduct and Discipline in Clause 7 and previously mentioned Clause 6 read as Clause 8.

**Conduct and Discipline:**

- 9.1 Students shall conduct themselves within and outside the premises of the University in a manner befitting the students of the University.
- 9.2 Detailed rules regarding conduct and discipline are given in **Appendix – II**.

## APPENDIX – I

### **RULES RELATING TO RESIDENCE REQUIREMENTS (Vide Clause 4.2 of the Regulation)**

Following are the detailed rules governing residence requirements of students:

1. The mess of each Hostel shall function as a single integrated unit and shall not, under any circumstances be sub-divided into any kind of groups or sub-groups.
2. The Dean/Warden may permit a student to reside with his Parent / Guardian within a reasonable distance from the Institute. However, this permission may be withdrawn at the discretion of the Institute, at any time considered appropriate without assigning any reason.
3. No married accommodation shall be provided to any student of the undergraduate courses.
4. No student shall come into or give up the assigned accommodation in any Hostel without the prior permission of the Dean.
5. A student shall reside in a room allotted to him/her and may shift to any other room only under the direction/permission of the Warden.
6. Students shall be required to make their rooms available whenever required for inspection, repair, maintenance or disinfecting and shall vacate the room when leaving for the vacations / holidays.
7. Students shall be responsible for the proper care of the furniture, fan and other fittings in the rooms allotted to them and shall generally assist the Superintendent/Warden in ensuring proper use, care and security of those provided in the Hostels for common use of all students.
8. Students will be responsible for the safe keeping of their own property. In the event of loss of any personal property of a student due to theft, fire or any other cause, the institute shall accept no responsibility and shall not be liable for payment of any compensation.
9. Engaging personal attendants, keeping pets and use of appliances like electric heater, refrigerator etc., by a student in the Hostel are prohibited.
10. All students must abide by the rules and regulations of the Hostel as may be framed from time to time.

**RULES REGARDING CONDUCT AND DISCIPLINE  
(Vide Clause 6.2 of the Regulations)**

Following rules shall govern the conduct and discipline of all students of the University:

1. The reputation and image of Siksha 'O' Anusandhan University and its highly acclaimed almatmater depends largely among others on a well disciplined campus and hostels which is achieved through sustained and active co-operation of its student community. With a view to maintain this high tradition, the students of the University are required to:
  - a) Show due respect to their teachers, Officers of the Institutions/University, Wardens & Superintendents of Hostels and show proper courtesy to other members of the staff of the Institutes & University.
  - b) Maintain good rapport and friendly relationship with fellow students;
  - c) Treat kindly and affectionately the new students admitted every year.
  - d) Not indulge in acts of ragging. The ragging in any form to anybody is banned by law. Any act of physical or mental pressurization of junior students individually or in group, is considered as an act of ragging and calls for strict disciplinary actions including expulsion from the University and Police action. Hon'ble Supreme Court's decision on ragging and subsequent directions from UGC are to be strictly adhered to.

**2. ACTS OF MISCONDUCT & INDISCIPLINE:**

The following acts of omissions and/or commissions constitute breach of discipline.

- a) Furnishing false statement of any kind in the form of application for admission or for award of prizes etc.
- b) Furnishing false statement to the Disciplinary Committee, or willfully withholding information relevant to an enquiry.
- c) Displaying lack of courtesy and decorum; resorting to indecent behavior anywhere within or outside the campus.
- d) Willfully damaging or stealthily removing any property belonging to the University/Institutions/Hostels or fellow students.
- e) Possession, consumption or distribution of narcotic products and alcoholic drinks or any kind of hallucinogenic drugs.
- f) Smoking in campus.
- g) Possession of fire arms or lethal weapons in the Institute premises/hostels, examination halls etc.
- h) Organising or participating in any group activity, except purely academic and scientific programmes, in company with others in or outside the campus without prior permission of the appropriate authority.
- i) Organizing or participating in any activity that has potential for driving fellow students along lines of religion, caste, home state, batch of admission, hostel or any other unhealthy criterion.
- j) Indulgence in any kind of political activity including displaying posters or placards of political parties within the Institute/University premises.

- k) Forming society/association/organization without permission of appropriate authority.
- l) Inviting any outsiders to conduct a meeting without permission of the appropriate authority.
- m) Addressing the press without permission.
- n) Involvement in agitation of any kind which may lead to breach of peace.
- o) Mutilation and or unauthorized possession of library books and journal.
- p) Adoption of unfair means in examinations.
- q) Resorting to noisy and unseemingly behavior, disturbing studies of fellow students.
- r) Not intimating his/her absence to the Hostel Superintendent before availing any leave.
- s) Unauthorized absence from hostels.
- t) Interference with the University/Institute's administration.
- u) Indulging in activities prejudicial and detrimental to the reputation of the University.
- v) Indulging in any other acts which the Authority feels as breach of discipline.

### **3. PENALTIES:**

For a breach of discipline and in commensurate with the severity of the offence a student may be awarded any of the following punishments by the competent authority.

#### **a) Monetary Fine**

(For offences like misappropriation of money or damage to University property, monetary fine may be imposed to recover the cost along with penalties which may be double the amount of cost.

#### **b) Record of Reprimand**

(An official warning to students, not to repeat any act of indiscipline). This will be noted on the student's permanent record but not on any outgoing semester report or transcript. However parents shall be informed in writing.

#### **c) Conduct Probation**

(An official warning that one more act of indiscipline might lead to rustication/expulsion of the student from the Institute/University. It shall be noted on the permanent record and shall find place in the Semester Report so long as the student is on Conduct Probation)

d) Debarment from Student activities.

e) Debarment from Medal and Prizes.

#### **f) Temporary rustication**

(The student shall be temporarily rusticated from the University/Institute Hostels for a specific period and required to leave the University immediately. This shall be entered in the permanent record and shall find place in the Semester Report.)

**g) Permanent Expulsion / Rustication from the University/Institute/University Hostels:**

(This punishment shall be entered in the permanent record and shall find place in the Semester Report and the Transcript. The student shall be debarred from re-admission to the University.

- h) The students awarded the punishment of temporary rustication may at the discretion of the Vice-Chancellor be readmitted after the expiry of the period of punishment on the recommendation of the concerned Dean of Faculty on such conditions as may be determined. No student will however be entitled to re-admission as a matter of right.

The fact of punishment of “Temporary rustication” shall be recorded in the permanent record and shall be mentioned in the outgoing Semester Report, till the student is removed. It shall however be not mentioned in the outgoing transcripts, issued after re-admission of the student concerned. However, if any prospective employer, institution etc. request for details about such a student the penalty awarded to a student shall normally be intimated to them only after obtaining the orders of the Vice-Chancellor on the desirability of furnishing such information to the party.

#### 4. DISCIPLINARY AUTHORITIES

- i. **Minor Punishment:** for offences or misconduct in lesser proportion either in Hostels, Class rooms or anywhere in the campus, the Warden/Superintendent of Hostels and the Dean of the Institute shall have the authority to impose fine or to reprimand.
- ii. **Temporary Suspension:** Temporary Suspension limited to two weeks may be awarded by the Dean on the recommendation of Institute Level Disciplinary Committee.
- iii. **Major Punishment:**
  - a) All major acts of indiscipline which may have serious repercussion on the students in general and / or which may warrant a uniform and more formalized nature of investigation, shall be dealt by a Standing Committee on Student Discipline & Welfare constituted by the Academic Council. The Committee shall recommend to the Vice Chancellor for necessary action. This Committee shall appoint Discipline Boards for all constituent Institutes with Dean Faculty as Chairman and such members from the concerned Faculty as it deems necessary to advise it on matters relating to student discipline.
  - b) All decisions of the Standing Committee shall be placed before the Academic Council for consideration and may be given effect to by the Council subject to such modification as the Council may deem fit to make.
  - c) Acts which may be considered as “CRIMES” rather than acts of indiscipline such as acts causing serious injury to fellow students or others, causing major damage to Institute’s property, involvement in activities prejudiced to National security or to that maintaining communal harmony etc. will be reported by the Dean of the concerned Institute to the Law and Order authorities.

Cases of adoption of unfair means in an examination shall be dealt with by the Examination Committee.

**Syllabus**  
**For Basic B. Sc. Nursing**  
**(2<sup>nd</sup> year to 4<sup>th</sup> year)**

**SUM NURSING COLLEGE**  
**(Faculty of Nursing)**  
**SIKSHA 'O' ANUSANDHAN UNIVERSITY**  
**Bhubaneswar**

## Second Year

Subject	Theory (In hrs) (Class and lab)	Practical (In hrs) (Clinical)	In Hours
01. Sociology	60		
02. Pharmacology	45		
03. Pathology & 04. Genetics	30 15		
05. Medical Surgical Nursing (Adult including geriatrics)-I	210		
06. Community Health Nursing – I	90		
07. Communication and Educational Technology	60+30		
08. Library work / Self Study			50
09. Co-curricular activities			35
Total Hours	540	855	85
<b>Total Hours = 1480</b>			

## Third Year

Subject	Theory (In hrs) (Class and lab)	Practical (In hrs) (Clinical)	In Hours
01. Medical Surgical Nursing (Adult including geriatrics) – II	120	270	
02. Child Health Nursing	90	270	
03. Mental Health Nursing	90	270	
04. Midwifery and Obstetrical Nursing	90	180	
05. Environmental studies			
05. Library work / Self Study			50
06. Co-curricular activities			50
<b>Total Hours</b>	<b>390</b>	<b>990</b>	<b>100</b>
<b>Total Hours = 1480 hrs</b>			

## Fourth Year

Subject	Theory (In hrs) (Class and lab)	Practical (In hrs) (Clinical)
01. Midwifery and Obstetrical Nursing		180
02. Community Health Nursing – II	90	135
03. Nursing Research & Statistics	45	*
04. Management of Nursing Services and education	60+30	
05. Spoken English & Personality Development	60	
<b>Total Hours</b>	<b>225</b>	<b>315</b>
<b>Total hours = 540 Hrs</b>		

*\* Project work to be carried out during internship*

**Intern-Ship (Integrated Practice)**

Practical = 30 hours per week

Subject	Theory	Practical (In hrs)	In weeks
01. Midwifery and Obstetrical Nursing		240	5
02. Community Health Nursing – II		195	4
03. Medical Surgical Nursing (Adult and geriatric)		430	9
04. Child Health		145	3
05. Mental Health		95	2
06. Research Project		45	1
<b>Total Hours</b>		<b>1150</b>	<b>24</b>

**Scheme of examination  
For  
Second year B. Sc. Nursing**

Sl	Subject	Duration of Exam.	Internal Assessment	University Exam.	Full Marks
<b>Theory</b>					
1	Sociology	3	25	75	100
2	Medical-Surgical Nursing - I	3	25	75	100
3	Pharmacology, Pathology, Genetics	3	25	75	100
4	Community Health Nursing - I	3	25	75	100
5	Communication and Educational Technology	3	25	75	100
<b>Practical and Viva Voce</b>					
1	Medical-Surgical Nursing - I		100	100	200

**Scheme of examination  
For  
Third year B. Sc. Nursing**

Sl	Subject	Duration of Exam.	Internal Assessment	University Exam.	Full Marks
<b>Theory</b>					
1.	Medical Surgical Nursing-II	3	25	75	100
2.	Child Health Nursing	3	25	75	100
3.	Mental Health Nursing	3	25	75	100
4.	Environmental Studies	2	50	--	50
<b>Practical &amp; Viva Voce</b>					
1.	Medical- Surgical Nursing-II		50	50	100
2.	Child Health Nursing		50	50	100
3.	Mental Health Nursing		50	50	100

**Scheme of examination  
For  
Fourth year B. Sc. Nursing**

Sl	Subject	Duration of Exam.	Internal Assessment	University Exam.	Full Marks
<b>Theory</b>					
1	Midwifery and Obstetrical Nursing	3	25	75	100
2	Community Health Nursing-II	3	25	75	100
3	Nursing Research & Statistics	3	25	75	100
4	Management of Nursing Services and education	3	25	75	100
5	Spoken English	2	50	---	50
<b>Practical and Viva Voce</b>					
1	Midwifery and Obstetrical Nursing	3	50	50	100
2	Community Health Nursing	3	50	50	100

**Internship**

**Fourth year final examination to be held only after completing internship.**

**SYLLABUS FOR**  
**2<sup>ND</sup> YEAR BASIC B.Sc NURSING**

# SOCIOLOGY

(2<sup>nd</sup> Year)

Full Marks: 100  
University Exam: 75  
Internal Exam : 25

Duration of Exam - 3 Hours  
Class room teaching – 60 Hrs

**Objective of the Course:** 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 - I

### **Introduction**

- Definition of sociology
- Nature and scope of the discipline
- Importance and application of sociology in Nursing

**Assessment method:** Short answers and essay type.

## Unit – II

### **Individual and society**

- Society and community
- Nature of society
- Difference between society and community
- Process of socialization and individualization
- Personal disorganization

**Assessment method:** Short answers and essay type.

## Unit - III

### **Culture**

- Nature of culture
- Evolution of culture
- Diversity and uniformity of culture
- Culture and socialization
- Tran cultural society
- Influence on health and disease

**Assessment method:** Short answers and essay type.

## Unit - IV

### **Social groups and processes**

- The meaning and classification of groups
- Primary and secondary group
- In- group V/s Out- group, class tribe, caste
- Economic ,political, religious groups , mob, crowd, public and audience interaction and social processes
- Co –operation, competition, conflict
- Accommodation, assimilation and isolation

**Assessment method:** Short answers and essay type.

## Unit - V

### **Population**

Society and population

- Population distribution in India- demographic characteristics
- Malthusian theory of populations

- Population explosion in India and its impact on health status
- Family welfare programmers

**Assessment method:** Short answers and essay type. Assessment of report on community identification.

#### Unit - VI

##### **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

**Assessment method:** Short answers and essay type. Assessment of family case study.

#### Unit - VII

##### **Social Satisfaction**

- Meaning and types of social stratification
- The Indian caste system – origin and futures
- Features of caste in India today
- Social class system and status
- Social mobility – meaning and 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

**Assessment method:** Short answers and essay type. Assessment of report on community survey.

#### Unit - VIII

##### **Types of Communities in India (rural, urban and regional)**

- Features of village community and characteristics of Indian villages- pantheist system, social dynamics
- Community development project and planning
- Changes in Indian rural life
- Availability of health 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
- Major urban problems-urban slums
- Region: problems and impact on health

**Assessment method:** Short answers and essay type. Assessment of report on community survey.

#### Unit - IX

##### **Social Change**

- Nature and process of social change
- Factors influencing social change: cultural change, cultural lag
- Introduction to theories of social change: linear cyclical, Marxian, functional role of nurse- change agents

**Assessment method:** Short answers and essay type.

## Unit - X

### **Social Organization and Social System**

- Social organization: element, types
- Democratic and authoritarian modes of participation,
- Voluntary associations
- Social system: definition and types of social system
- Role and status as structural elements of social system
- Inter-relationship of institutions

**Assessment method:** Essay type, short answers, assessment of visit reports.

## Unit - XI

### **Social Control**

- Nature and process of social control
- Political, legal, religious, educational, economic, industrial and technological systems, norms and values- folkways and mores customs, laws and fashion role of nurse

**Assessment method:** Short answers and essay type. Assessment of report on community survey.

## Unit - XII

### **Social Problems**

- Social disorganization
- Control and planning: poverty, housing, illiteracy, food supplies, prostitution, rights of women and children, vulnerable groups: elderly, handicapped, minority groups and other marginalized groups, child labor, child abuse, delinquency and crime, substance abuse, HIV/AIDS.
- Social welfare programmers in India
- Role nurse

**Assessment method:** Essay type, short answers, assessment of visit reports

### **Reference:**

G N Prabhakara	Sociology for Nurses
K P Pothen	Sociology for Nurses
R K Manelkar	Sociology for Nurses
T K Indrani	Sociology for Nurses
M A Khan	Sociology for Nurses
M Rasalakshy	Text book of Sociology for Nurses
Vidya Bhusan	Sociology
Jena	Indian Socaity
Neeraja	Sociology for Nurses
Neeraja	Text book of Sociology for Nurseing Students

**PHARMACOLGY, PATHOLOGY, GENETICS**  
**(2<sup>nd</sup> Year)**

Full Marks: 100  
University Exam: 75  
Internal Exam: 25

Duration of Exam - 3 Hours  
Classroom teaching – 90 Hrs

**SECTION – A**  
**PHARMACOLOGY**

University Marks: 38

Classroom teaching - 45 Hrs

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

**Unit -I**

**Introduction to Pharmacology**

- Definition
- 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

**Assessment Method:** Short answers, objective type.

**Unit - II**

**Chemotherapy**

- Pharmacology of commonly used;
    - Penicillin
    - Cephalosporins.
    - Aminoglycosides
    - Marceline and broad spectrum antibiotics
    - Sulfonamides
    - Quinolones.
    - Antiamoebic
    - Antimalarils
    - Anthelmintics
    - Antiscabies agents
    - Antiviral and anti- fungal agents.
    - Ant tubercular drugs
    - Anti leprosy drugs
    - Anticancer drugs
    - Immune- suppressants
- Compositions, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse

**Assessment Method:** Short answers, objective type.

### Unit - III

#### **Pharmacology of commonly used antiseptics, disinfectants and insecticides**

- Antiseptics;  
Composition, action, dosage, route, indications, contradictions, drug interactions, side effects, adverse effects, toxicity and role of nurse
- Disinfectants
- Insecticides

**Assessment Method:** Short answers, objective type.

### Unit - IV

#### **Drugs Acting on G. I. System**

- Pharmacology of commonly used –
  - 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.

**Assessment Method:** Short answers, objective type.

### Unit - V

#### **Drugs Used on Respiratory System**

- Pharmacology of commonly used-
  - Antasthmatics
  - Mucolytics
  - Decongestants
  - Expectorants
  - Antitussives
  - Bronchodilators
  - Broncho constrictors
  - Antihistamines

Composition, action, dosage, route, indications, contraindications, drug interactions side effects, adverse effects, toxicity and of nurse.

**Assessment Method:** Short answers, objective type.

### Unit - VI

#### **Drugs Used on Urinary System**

- Pharmacology of Commonly Used-
  - Diuretics and ant diuretics
  - Urinary antiseptics
  - Cholinergic and anticholinergics
  - Acidifiers and alkalanizers

Composition, action, dosage, route, indications, contraindications, drug interactions side effects, adverse effects, toxicity and of nurse.

**Assessment Method:** Short answers, objective type.

### Unit - VII

#### **Miscellaneous**

- Drugs used in de-addiction
- Drugs used in CPR and emergency

- Vitamins and minerals
- Immunosuppressant
- Antidotes
- Antivenom
- Vaccines and sera

**Assessment Method:** Short answers, objective type.

#### Unit - VIII

##### **Drugs used on skin and mucous membranes**

- Topical applications for skin, eye, ear, nose and buccal cavity antipruritics

Composition, action, dosage, route, indications, contraindications, drug interactions side effects, adverse effects, toxicity and role of nurse.

**Assessment Method:** Short answers, objective type.

#### Unit - IX

##### **Drugs acting on nervous system**

- Basic and applied pharmacology of commonly used:
- Analgesics and anaesthetics
  - Analgesics- non steroidal anti- inflammatory (NSAID) drugs
  - Antipyretics
  - Hypnotics and sedatives – opioids – tranquilizers – general and local anesthetics gases: oxygen, nitrous oxide, carbon – dioxide
- Cholinergic and anti – cholinergic:
  - Muscle relaxants
  - Major tranquilizers
  - Anti – psychotics
  - Antidepressants
  - Anticonvulsants
  - Adrenergic
  - Noradrenergics
  - Mood stabilizers
  - Acetylcholine
  - Stimulants

Composition, action, dosage, route, indications, contraindications, drug interactions side effects, adverse effects, toxicity and role of nurse.

**Assessment Method:** Short answers, objective type.

#### Unit - X

##### **Cardiovascular drugs**

- Haematinics
- Cardiotonics,
- Anti anginals
- Anti-arrhythmic
- Plasma expanders
- Coagulants & thrombolytics
- Hypolipidemics

Composition, action, dosage, route, indications, contraindications, drug interactions side effects, adverse effects, toxicity and role of nurse.

**Assessment Method:** Short answers, objective type.

## Unit – XI

### **Drugs used for hormonal disorders and supplementation, contraception and medical termination of pregnancy**

- Insulin's & Oral hypoglycemic
- Thyroid supplements and suppressants
- Steroids, Anabolism
- Uterine stimulants and relaxants
- Oral contraceptives
- Other estrogen-progesterone preparations
- Corticotrophin & Gonadotropines
- Adrenaline
- Prostaglandins
- Chalcedonies
- Calcium salts
- Calcium regulators

Composition, action, dosage, route, indications, contraindications, drug interactions side effects, adverse effects, toxicity and role of nurse.

## Unit - XII

### **Introduction to Drugs used in alternative systems of medicine:**

- Ayurveda, Homeopathy, Unani and Siddha etc.

**Assessment Method:** Short answers, objective type.

### **Reference:**

Parthasarathi	Clinical Pharmacy Practice
R D Budhiraja	Elementary Pharmacology & Toxicology
K D Tripathy	Essentials of medical Pharmacology
S Singh	Essential Pharmacology
S B Bhise	Health Education & Community Pharmacy
N Murugesh	Health Education & Community Pharmacy
Anees Ahmed Siddi	Hospital Ward Clinical Pharmacy
K D Chaudhury	Manual of Pharmacology

## SECTION – B (PATHOLOGY)

University Marks: 25

Classroom teaching – 30 Hrs

**Objective of the Course:** 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 - I

- **Introduction**
  - Importance of the study of pathology
  - Definition of terms
  - Methods and tissue changes
  - Cellular and tissue changes
  - 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

### Unit - II

#### **Special pathology**

- Pathological changes in disease conditions of various systems:
- Respiratory tract
  - Tuberculosis, Bronchitis, Pleural effusion and pneumonia,
  - Lung abscess, emphysema, bronchiectasis
  - Bronchial asthma, chronic obstructive pulmonary disease & tamours
- Cardio – vascular system
  - Pericardial effusion
  - Rheumatic heart disease
  - Infective endocarditic, atherosclerosis
  - Ischemia, infarction & aneurysm
- Gastro intestinal tract
  - Peptic ulcer, typhoid
  - Carcinoma of GL tract - buckle, esophageal ,
  - Gastric & intestinal
- Liver, gall bladder & pancreas
  - Hepatitis, chronic liver abscess, cirrhosis
  - Tamours of liver, gall bladder & pancreas,
  - Cholecystitis
- Kidneys & urinary tract
  - Glomerulonephritis, pyelonephritis,
  - Calculi, renal failure, renal carcinoma & prostate
- Female genital system
  - Fibroids
  - Carcinoma cervix & endometrial
  - Vesicular mole, choriocacinoma
  - Entopic gestation
  - Ovarian cyst & tamours
- Cancer breast

- Central nervous system
  - Hydrocephalus, meningitis, encephalitis,
  - Vascular disorders- thrombosis, embolism
  - Stroke, paraplegia, quadriplegia
  - Tumours, meningiomas- gliomas
- Metastasis tumor
- Skeletal system
  - Bone healing, osteomyelitis
- Arthritis & tumours

### Unit - III

#### **Clinical Pathology**

- various blood & bone marrow tests in assessment & monitoring of disease conditions
  - hemoglobin
  - RBC, white cell & platelet counts
  - Bleeding time, clotting time & prothrombin time
  - Blood grouping & cross matching
  - Blood culture
  - Blood culture
  - Serological & immunological tests
  - Other blood tests
  - Examination of bone marrow
  - Methods of collection of blood specimen for various clinical pathology, biochemistry, microbiology tests, inference & normal values

### Unit - IV

#### **Examination of Body Cavity Fluids, Transudates & Exudates**

- The laboratory tests used in CSF analysis
- Examination of other body cavity fluids, transudates & exudates- sputum, wound discharge etc
- Analysis of gastric & duodenal contents
- Analysis of semen – sperm count, motility & morphology & their importance in infertility
- Methods of collection of CSF & other cavity fluids specimen for various clinical pathology, biochemistry, microbiology tests, inference & normal values

### Unit - V

#### **Urine & Faeces**

- Urine - Physical characteristics, Analysis, Culture & sensitive
- Faeces - Characteristics
  - Stool examination: occult blood, ova, parasite & cyst, reducing substance etc
- Methods of collection for various tests, inference & normal values

**Assessment Method:** Short answers, objective type for all the above units.

#### **Reference:**

Harsh Mohan	Pathology - Quick Review
Harsh Mohan	Text book of Pathology
V Krishna	Text book of Pathology
Srivastava	Aids Pathology
Harsh Mohan	Pathology Practical Book
Robbins	Pathology illustrated
MOHAN HARAS	PATHOLOGY PRACTICAL BOOK

**SECTION - C**  
**GENETICS**  
**(2<sup>nd</sup> Year)**

University Marks: 12

Class room teaching – 15 Hrs

**Objective of the Course:** This course is designed to enable students to acquire knowledge and understanding of Genetics, its role in causation and management of defects and disease.

**Unit - I**

**Introduction:**

- practical application of genetics In nursing
- impact of genetic condition on families
- Review of cellular division mitosis & meiosis.
- Characteristics & structure of genes
- Chromosomes – sex determination
- Chromosomal aberrations patterns of inheritance
  - Medallion theory of inheritance
  - Multiple allots & blood groups
  - Sex linked inheritance
  - Mechanism of inheritance
  - Errors in transmission (mutation)

**Assessment Method:** Short answers, objective type.

**Unit - II**

**Maternal, Prenatal & Genetic Influences on Development of Defects & Diseases**

- Conditions affecting the mother: genetic & infections
- Consanguinity atrophy
- Prenatal nutrition & food allergies.
- Maternal age
- Maternal drug therapy
- Prenatal testing & diagnosis
- Effect of radiation, drugs & chemicals
- Infertility
- Spontaneous abortion
- Neural tube defects & the role of folic acid in lowering the risks
- Down syndrome ( tiresome 21)

**Assessment Method:** Short answers, objective type.

**Unit - III**

**Genetic Testing In the Neonates & Children**

- Screening for
  - Congenital abnormalities
  - Developmental delay
  - Dimorphism

**Assessment Method:** Short answers, objective type.

#### Unit - IV

##### **Genetic Conditions of Adolescents & Adult**

- Cancer genetics- familial cancer
- Inborn errors of metabolism
- Blood group alleles & hematological disorder
- Genetic Huntington's disease
- Mental illness

**Assessment Method:** Short answers, objective type.

#### Unit - V

##### **Services Related To Genetics**

- Genetic testing
- Human genome project
- Gene therapy
- The Eugenics movement
- Genetic Counseling
- Legal and Ethical issues
- Role of nurse

**Assessment Method:** Short answers, objective type.

**MEDICAL SURGICAL NURSING - I**  
**(ADULT INCLUDING GERIATICS) - I**  
(2<sup>nd</sup> Year)

Full Marks: 100

University Exam: 75

Internal Exam: 25

Duration of Exam - 3 Hours

Class room teaching – 210 Hrs

**Objective of the Course:** 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 - I

**Introduction**

- Introduction to medical surgical nursing- Evaluation And Trends of medical and surgical nursing
- Review of Concepts of Health and illness Disease- Concepts, Causations, Classification- International Classification Disease (ICD- 10 Or Later Version), Acute 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:
  - Outpatient department.
  - In- patient unit
  - Intensive care unit.
  - Home and Community settings
- Introduction to Medical Surgical asepsis
  - Inflammation and Infection
  - Immunity
  - Wound healing
- Care of Surgical Patient
  - Pre- operative
  - Intra operative
  - Post operative

**Assessment Method:** Short answers, objective type and assessment of skills with check list.

Unit - II

**Common signs and symptoms and management**

- Fluid and electrolyte imbalance.
- Vomiting
- Dyspnea and cough, respiratory obstruction
- Fever
- Shock
- Unconsciousness, Syncope
- Pain
- Incontinence
- Edema
- Age related problems- geriatric

**Assessment Method:** Short answers, objective type.

### Unit - III

#### **Nursing management of patients (adults including elderly) with respiratory problems**

- Review of anatomy and physiology of respiratory system,
- Nursing Assessment-History and Physical assessment
- Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of adults including elderly with-
  - Upper Respiratory tract infections.
  - Bronchitis
  - Asthma
  - Emphysema
  - Atelectasis
  - Chronic Obstructive Pulmonary Disease (COPD)
  - Pneumonia
  - Pulmonary tuberculosis
  - Lung abscess
  - Cysts and Tumours
  - Chest injuries
  - Respiratory arrest and insufficiency
  - Pulmonary embolism

Special therapies, alternative therapies

Nursing procedures

Drugs used in treatment of respiratory disorders

**Assessment Method:** Essay type, Short answers, Objective type, Assessment of skills with check list, Assessment of patient management problem.

### Unit - IV

#### **Nursing management of patient (adult including elderly) with disorders of digestive system**

- Review of anatomy and physiology of digestive system
- Nursing Assessment- History and Physical assessment
- Etiology, Pathophysiology, clinical manifestations ,diagnosis, treatment modalities and medical, surgical, dietetics & nursing management
- Disorders of
  - Oral cavity- lips, gums, tongue, salivary glands and teeth
  - Esophagus – inflammation, stricture, obstruction, bleeding and tumours
  - Stomach and duodenum hiatus hernia, gastritis, peptic and duodenal ulcer, bleeding, and tumours, pyloric stenosis
  - Small intestinal disorders inflammation and infection, enteritis, malabsorption, obstruction, tumour and perforation
  - Large intestinal disorders colitis, inflammation and infection, obstruction and tumour and lump
  - Hemias
  - Appendix-inflammation, mass, abscess, rupture
  - Anal & Rectum; hemorrhoids, fissures, fistulas
  - Peritonitis/acute abdomen
  - Pancrease; inflammation, cyst, abscess and tumours
  - Liver, inflammation, cyst, abscess, cirrhosis, portal, hypertension, hepatic failure, tumours
  - Gall Bladder; inflammation, obstruction, stones and tumours

Special therapies, alternative therapies  
Nursing procedures  
Drugs used in treatment of disorders of digestive system  
**Assessment Method:** Essay type, Short answers, Objective type, Assessment of skills  
with check list, Assessment of patient management problem

#### Unit - V

#### **Nursing management of patient (adult including elderly) with blood and cardio vascular problem**

- Review of anatomy and physiology of blood and cardio vascular system,
- Nursing Assessment – History and Physical assessment
- Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of –
- Vascular system
  - Hypertension, Hypotension
  - Arteriosclerosis
  - Reynard's disease
  - Aneurism and Peripherals vascular disorders

#### **Heart**

- Coronary artery diseases
  - Ischemic Heart Disease
  - Conroy atherosclerosis
  - Angina pectoris
  - Myocardial infraction
- Alveolar disorders of the heart
  - Congenital and acquired
  - Rheumatic Heart diseases
- Endocarditic, Pericarditis Myocarditis
- Cardio Sympathies
- Cardiac dysrhythmias, Heart block
- Congestive cardiac failure
  - Cor-pulmonale, pulmonary, edema, carcinogenic shock, cardiac lampooned
- Cardiac emergencies and arrest
- Cardio Pulmonary Resuscitation (CPR)
- Blood
  - Anemia's
  - Polycythemia
  - Bleeding disorders; clotting factor defects and platelets defects
  - Thalassemia
  - Leukemia's and agranulocytosis
  - Lymphomas
  - Mycelia's
- Special Therapies
  - Blood transfusion, safety checks, procedure and requirements, management of adverse transfusion reaction, records for blood transfusion.
  - Management and counseling of blood donors, phlebotomy procedure, and hospital transfusion committee. Bio-safety and waste management in relation to blood transfusion
  - Role of a nurse in organ donation, retrieval & banking

Alternative therapies

Nursing procedures

Drugs used in treatment of blood and cardio vascular disorders

**Assessment Method:** Essay type, Short answers, objective type, assessment of skills with check list, assessment of patient management problem.

#### Unit - VI

#### **Nursing management of patient (adults including elderly) with genitor-urinary problems**

- Review of anatomy and physiology of genitor-urinary system
- Nursing Assessment-History and Physical assessment
- Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietics & nursing management of-
- Nephritis
- Nephritis
- Nephritis
- Renal calculus
- Tambours
- Acute renal failure
- End stage renal disease
- Dialysis, renal transplant
- Congenital disorders, urinary infections
- Benign prostate hypertrophy.
- Disorders of urethra, bladder & urethra- inflammation, infection, stricture, Obstruction, tambour, prostrate

Special therapies, alternative therapies

Nursing procedures

Drugs used id treatment of genitor- urinary disorders

**Assessment Method:** Essay type, Short answers, Objective type, Assessment of skills with check list, Assessment of patient management problem

#### Unit - VII

#### **Nursing management of disorders of male (adults including elderly) reproductive system**

- Review of anatomy and physiology of male reproductive system
- Nursing Assessment-History and Physical assessment
- Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietics & nursing management of disorders of male reproductive system
- Congenital malformations; cryptorchidism
- Hypospadiasis, Epispadiasis
- Infections
- Testies and adjacent structures
- Penis
- Prostate: inflammation, Infection, hypertrophy, tumor
- Sexual Dysfunction
- Infertility
- Contraception
- Breast; gynecomastia, tumor
- Climacteric changes

Special therapies, alternative therapies

Nursing procedures

Drugs used in treatment of disorders of male reproductive system

**Assessment Method:** Essay type, Short answers, Objective type, Assessment of skills with check list, Assessment of patient management problem.

#### Unit - VIII

### **Nursing management of patient (adults including elderly) with disorders of endocrine system**

- Review of anatomy and physiology of endocrine system
- Nursing Assessment-History and Physical assessment
- Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics & nursing management of –
  - Disorders of Thyroid and Parathyroid
  - Diabetes mellitus
  - Diabetes insipidus
  - Adrenal tumor
  - Pituitary disorders

Special; therapies, alternative therapies

Nursing procedures

Drugs used in treatment of disorders of disorders of endocrine system.

**Assessment Method:** Essay type, Short answers, Objective type, Assessment of skills with check list, Assessment of patient management problem.

#### Unit - IX

### **Nursing management of patients (adults including elderly) with disorder of integument system**

- Review of anatomy & physiology of skin & its appendages
- Nursing assessment- history & physical assessment
- Etiology, path physiology, clinical manifestoes, diagnosis, treatment modalities & medical, surgical, dietetics & nursing management of disorders of skin & its appendages-
  - Lesions & abrasions
  - Infection & infestations; dermatitis
  - Dermatomes; infectious & non infectious inflammatory dermatomes'
  - Acne vulgar is
  - Allergies & eczema
  - Psoriasis
  - Malignant melanoma
  - Alopecia

Special therapies, alternative therapies nursing procedures

Drugs used in treatment of disorders of integument system

**Assessment Method:** Essay type, Short answers, Objective type, Assessment of skills with check list, Assessment of patient management problem

#### Unit - X

### **Nursing management of patient (adults including elderly) with musculoskeletal problems**

- Review of anatomy & physiology of musculoskeletal system,
- Nursing Assessment- History And physical assessment
- Etiology, Pathophysiology, clinical manifestations, treatment modalities & medical, surgical, dietetics & nursing management of-
- Disorders of:
  - Muscles, ligaments & joints- inflammation, infection, trauma
  - Bones- inflammation, infection, dislocation, fracture, tumor & trauma
  - Osteomalacia & osteoporosis

- Arthritis
- Congenital deformities
- Spinal column- defects & deformities, tumor, prolapsed inter vertebral disc, putt's spine
- Paget's disease
- Amputation
- Prosthesis
- Transplant& replacement surgeries
- Rehabilitation.
- Special therapies, alternative therapies
- Nursing procedures
- Drugs used in treatment of disorders of musculoskeletal system.

**Assessment Method:** Essay type, Short answers, Objective type, Assessment of skills with check list, Assessment of patient management problem.

### Unit - XI

#### **Nursing management of patient (adults including elderly) with immunological problems**

- Review of immune system,
- Nursing assessment- history & physical assessment
- Etiology, path physiology, clinical manifestations, diagnosis, treatment modalitie & medical, surgical, dietetics & nursing management of-
- Immunodeficiency disorder.
- Primary immune's deficiency.
- Phagocyte dysfunction
- B- cell & t-cell deficiencies
- Secondary immunodeficiencies
- Acquired immunodeficiency syndrome (ales)
- Incidence of HIV & aids
- Epidemiology
- Transmission- prevention of transmission
- Standard safety precautions
- Role of nurse; counseling
- Health education & home care consideration.
- National aids control program- nacho, various national & international agencies
- Infection control program
- Rehabilitation.

Special therapies, alternative therapies nursing procedures

Drugs used in treatments of disorders of immunological system

**Assessment Method:** Essay type, Short answers, Objective type, Assessment of skills with check list, Assessment of patient management problem

### Unit - XII

#### **Nursing management of patient (adults including elderly) with communicable diseases**

- Overview of infectious disease, the infectious process
- Nursing assessment- history & physical assessment
- Epidemiology, infectious process, clinical manifestations, diagnosis, treatment, prevention & die tics. Control & eradication of common communicable diseases-
  - Tuberculosis
  - Diarrheas diseases
  - Hepatitis A-C

- Herpes
- Chickenpox
- Smallpox typhoid
- Meningitis
- Gas gangrene
- Leprosy.
- Dengue
- Plague
- Malaria
- Diphtheria
- Peruses
- Poliomyelitis
- Measles
- Mumps
- Influenza
- Tetanus
- Yellow fever
- Florists
- HIV,AIDS
- Reproductive tract infections
- Special therapies, alternative therapies
- Nursing procedures
- Drugs used in treatment of communicable diseases

**Assessment methods:** Essay type, short answers, objective type, assessment of skills with check list, assessment of patient management t Problem

### Unit XIII

#### **Peril operative nursing:**

- Organization and physical set up of the operation theatre (OT):
  - Classifications
  - O. T. DESIGN
  - Staffing
  - Members of the OT team.
  - Duties and responsibilities of nurse in O.T.
  - Principles of health and operating room attire.
  - Instruments,
  - Sutures and suture materials
  - Equipments
  - O.T. tables and sets for common surgical procedures
  - Positions and draping for common surgical procedures
  - Scrubbing procedures
  - Gowning and gloving
  - Preparation of O.T. Sets
  - Maintenance the patient during surgical procedures
- Maintenance of therapeutic environment in O.T.
- Standard safety measures
  - Infection control;
    - Fumigation, disinfection and stylization
  - Biomedical waste management
  - Prevention of accidents and hazards in O.T.
- An aesthesia
  - Types

- Methods of administration
- Effects and stages
- Equipments
- Drugs
- Cardio Pulmonary Resuscitation (CPR)
- Pain management techniques
- Legal aspects

**Assessment methods:** Essay type, short answers, objective type, assessment of skill with check list.

**Reference:**

B T Basavanthappa	Medical Surgical Nursing
W J Phipps	Shafer's Medical Surgical Nursing
J M Black	Medical Surgical Nursing vol - 1
J M Black	Medical Surgical Nursing vol - 2
Bruner	Medical Surgical Nursing
Phipps	Medical surgical nursing
Lewis	Medical Surgical Nursing
Colmer	Morney's Surgery for Nurses
Kusum	Medical Surgical Nursing
Watson	Clinical Nursing

**MEDICAL SURGICAL NURSING -I**  
**(ADULT INCLUDING GERIATICS)-I (PRACTICAL)**  
**(2<sup>nd</sup> Year)**

Full Marks: 200

Time - 720 Hours

University Marks: 100

Internal Mark: 100

Unit – I (6 weeks)

**General medicine ward (Respiratory, GI, Endocrine, Renal Heamatology).**

- Assessment of the patient
  - Taking history
  - Perform general & specific physical examination.
  - Identify alterations & deviations
- Practice medical & asepsis- standard safety measures
- Administer medications
  - Oral, IV, IM Subcutaneous
- IV therapy
  - IV conflation
  - Maintenance & monitoring
- Oxygen therapy by different methods
- Nebilization
- Chest physic therapy
- Naso gastric feeding
- Assist in common diagnostic
- Perform/ assist in the – paretic procedures
- Blood & component therapy
- Throat suctioning
- Collect specimens for common investigations.
- Maintain elimination
  - Catheterization
  - Bowel wash
  - Enema
  - Urinary intake, drainage
- Maintain intake, output & documentation
- Counsel & teach related to specific disease conditions

**Assignments:**

- ✓ Plan and give care to 3-4 assigned patients
- ✓ Nursing care plan – 2
- ✓ Nursing case study/presentation – 1
- ✓ Drug presentation - 1
- ✓ Maintain drug book
- ✓ Maintain practical record book

**Assessment method:**

Assessment performance with rating scale, Access each skill with checklist. Evaluation of case study/presentation. Completion of practical/activity record.

Unit – II (6 weeks)

**General Surgical Ward (GI, Urinary, CTVS).**

- Practice medical surgical asepsis- standard safety measures
- Pre operative predation of patients

- Post operative care- receiving pt, assessment, monitoring, care
- Care of wounds & drainage
- Suture removal
- Ambulation & exercise
- Naso gastric aspiration
- Care of chest drainage
- Ostomy care
  - Gastrostomy
  - Colostomy
  - Enterostomy
- Blood & component therapy
- Practice universal precautions

**Assignments:**

- ✓ Plan and give care to 3-4 assigned patient
- ✓ Nursing care plan – 2
- ✓ Nursing case study/presentation – 2
- ✓ Maintain drug book

**Assessment methods:** Assessment performance with rating scale, Access each skill with checklist. Evaluation of case study/presentation. Completion of practical/activity record.

Unit – III (2 weeks)

**Cardiology Ward**

- Physical examination of the cardio vascular system recording & interpreting ECG
- Monitoring of patients
- Preparation & assisting in non- invasive & invasive diagnostic procedures.
- Administer cardiac drugs
- Cardio pulmonary resuscitation
- Teach patients & families
- Practice medical & surgical asepsis- standard safety measures

**Assignments:**

- Plan and give care to 2-3 assigned patients
- Nursing care plan – 1
- Nursing case study/presentation/health talk – 1
- Maintain drug book
- Teach patient and families
- Practice medical and surgical asepsis-standard safety measure

**Assessment methods:** Assessment performance with rating scale, Access each skill with checklist. Evaluation of case study/presentation. Completion of practical/activity record.

Unit – IV (1 week) **Skin Communicable diseases ward.**

- Assessment of patients with skin disorders
- Assist in diagnostic & therapeutic procedures
- Administer topical medical
- Practice topical surgical asepsis- standard safety measures
- Use of personal protective equipment ( PPE)
- Give medicated baths
- Counseling HIV positions
- Teach prevention of infectious diseases.

- Assignments:**
- Plan and give care to 2-3 assigned patients
  - Health talk/ counseling HIV positive patients and families -
  - Maintain drug book

**Assessment methods:** Assessment performance with rating scale, Access each skill with checklist. Evaluation of case study/presentation. Completion of practical/activity record.

**Unit – V (2 weeks) Orthopedic ward**

- Assessment of orthopedics patients
- Assist in application of plaster cast & removal of cast
- Apply skin traction- buck's extension traction.
- Assist in application & removal of prosthesis
- Physiotherapy – range of motion exercises (ROM), muscle strengthening exercises
- Crutch maneuvering technique.
- Activities of daily living
- Ambulation
- Teach & counsel patients & families

- Assignments:** - Plan and give care to 2-3 assigned patients
- ✓ Nursing care plan – 1
  - ✓ Nursing case study/presentation – 1
  - ✓ Maintain drug book

**Assessment methods:** Assessment performance with rating scale, Access each skill with checklist. Evaluation of case study/presentation. Completion of practical/activity record.

**Unit – VI (6 weeks) Operation Theatre**

- Scrubbing, gowning, gloving
- Identify instruments, suturing materials for common operations
- Disinfection, carbonization, fumigation
- Preparation of instrument sets for common operations
- Sterilization of sharps & other instruments
- Prepare the table depending upon the operations,
- Disposal of waste as per the guidelines

**Assignments:**

- ✓ Assist as a circulatory nurse in – 10 major cases, 5 minor cases
- ✓ Assist as a scrub nurse – 10 major case, 5 minor case
- ✓ Maintain drug book

**Assessment methods:** Assessment performance with rating scale, Access each skill with checklist. Evaluation of case study/presentation. Completion of practical/activity record.

# COMMUNITY HEALTH NURSING – I

(2<sup>nd</sup> year)

Full Marks: 100  
University Exam: 75  
Internal Exam: 25

Duration of Exam - 3 Hours  
Classroom teaching – 90 Hrs  
Practical – 135 Hrs

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

## Unit - I

### **Introduction**

- Community health nursing
- Definition, concept & dimensions of health
- Promotion of health
- Maintenance of health

**Assessment methods:** Short answer.

## Unit - II

### **Determinants of Health**

- Eugenics
- Environment:
  - Physical: air, light, ventilation, water, housing, sanitation; disposal of waste, disposal of dead bodies, forestation, noise, climate, communication: linkages
  - Acts regulating the environment: national pollution control board
  - Bacterial & viral: agents, host carriers & immunities
  - Arthropods & rodents
  - Food hygiene: production, preservation, purchase, preparation, consumption
  - Acts regulating food adulteration act, drugs & cosmetic act
- Socio- cultural
  - Customs, taboos
  - Marriage system
  - Family structure
  - Status of special groups; Females, Children, Elderly, challenged groups and Sick persons
- Life Style
- Hygiene
- Physical activity
  - Recreation and sleep
  - Sexual life
  - Spiritual life philosophy
  - Self reliance
  - Dietary pattern
  - Education
  - Occupation
- Financial Management
  - Income
  - Budget

- Purchasing power
- Security

**Assessment methods:** Objective type / short answers / essay type.

### Unit - III

#### **Epidemiology**

- Definition, concept, aims, scope, uses and terminology used in epidemiology
- Dynamics of disease transmission: epidemiological triad
- Morbidity and mortality: measurements
- Levels of prevention
- Methods of epidemiology of
  - Descriptive
  - Analytical: Epidemic investigation
  - Experimental

**Assessment methods:** Short answers / essay type.

### Unit - IV

#### **Epidemiology and nursing management of common Communicable Diseases**

- Respiratory infections
  - Small pox
  - Chicken pox
  - Measles
  - Influenza
  - Rubella
  - ARI's & Pneumonia
  - Mumps
  - Diphtheria
  - Whooping cough
  - Meningococcal meningitis
  - Tuberculosis
  - SARS
- Intestinal Infections
  - Poliomyelitis
  - Viral Hepatitis
  - Cholera
  - Diarrhoeal diseases
  - Typhoid Fever
  - Food Poisoning
  - Amoebiasis
  - Hook worm infection
  - Ascariasis
  - Dracunculiasis
- Arthropod infections
  - Dengue
  - Malaria
  - Filariasis
- Zoonoses

## **Viral**

- Rabies
- Yellow fever
- Japanese encephalitis
- Kyasnur Forest Disease
- Bacterial
  - Brucellosis
  - Plague
  - Human Salmonellas
  - Anthrax
  - Leptospirosis
- Rickettsial diseases
  - Rickttsial zoonoses
  - Scrub typhus
  - Murine typhus
  - Tick typhus
  - Q fever
- Parasitic zoonoses
  - Teaniasis
  - Hydatid disease
  - Leishmaniasis
- Surface infection
  - Tracoma
  - Tetanus
  - Leprocy
  - STD& RTI
  - Yaws
  - HIV &AIDS
  - Any other

**Assessment methods:** Objective type / short answers / essay type.

## Unit – V

### **Epidemiology and nursing management pf non-communicable diseases**

- Malnutrition: under nutrition, over nutrition, nutritional deficiencies
- Anaemia
- Hypertention
- Stroke
- Rheumatic. Heart disease
- Cancer
- Diabetes mellitus
- Blindness
- Accidents
- Mentalillness
- Obesity
- Iodine deficiency
- Fluorosis
- Epilepsy

**Assessment methods:** Objective type / short answers / essay type.

## Unit-VI

### **Demography**

- Definition, concept and scope
- Methods of collection, analysis and interpretation of demographic data
- Demographic rates and ratios

**Assessment methods:** Essay type, short answers, objective type, assessment of survey report.

## Unit- VII

### **Population and its control**

- Population explosion and its impact on social, economic development of individual, society and country
- Population control:
  - Overall development: women empowerment, social, economic and educational development
- Limiting family size:
  - Promotion of small family norm
  - Methods: spacing (natural, biological, chemical, mechanical methods etc)
  - Terminal: surgical methods
  - Emergency contraception

**Assessment methods:** Essay type, short answers, objective type, assessment of survey report.

### **Reference:**

R K Manelkar	Community Health for Nurses
B T Basavanthappa	Community Health Nursing
Keshav Swarnkar	Community Health Nursing
K S Rao	Community Health Nursing
T B Rao	Community Medicine
B C Das	Community Medicine with recent advances
K Park	Essentials of community health Nursing
K Park	Preventive and social Medicine
Vidya Ratan	Preventive and social Medicine
G N Prabhakar	Preventive and social Medicine
M C Gupta	Preventive and social Medicine
K Park	Preventive and social Medicine (18th ed)
G N Prabhakar	Text book of community health for nurses
A P Kulkarni	Text book of Community Medicine
Vidya Ratan	Viva in Preventive & Social Medicine
Mahajan	Preventive Social Medicine

## **Community Health Nursing - I (Practical)**

(2<sup>nd</sup> Year)

Practical -135 Hours

**Objective:** Build and maintain rapport with community. Identify demographic characteristics, health determinants and community health resources. Diagnose health needs of individual and families. Provide family care in health centre. Counsel and educate individual family and community.

**Skills:**

- Use techniques of interpersonal relationship
- Identification of health determinants of community
- History taking
- Physical examination
- Collect specimens- sputum, malaria smear
- Perform simple lab tests at centre – blood for hemoglobin and sugar, urine for albumin and sugar
- Administer vaccines and medications to adults
- Counsel and teach individual, family and community
  - Nutrition
  - Hygiene
  - Self health monitoring
  - Seeking health services
  - Health life style
  - Family welfare methods
  - Health promotion

**Assignments:**

- ✓ To work with 2 assigned families each in urban and rural
- ✓ Family study – 1
- ✓ Observation report of community – 1
- ✓ Health talks – 2 (1 in urban and 1 in rural)

**Assessment methods:** Assess clinical performance with rating scale. Assess each skill with check list. Evaluation of family study, observation report and health talk. Completion of activity record.

# Communication & Educational Technology

(2<sup>nd</sup> Year)

Full Marks : 100  
University Exam : 75  
Internal Exam : 25

Duration of Exam - 3 Hours  
Class room teaching – 90 Hrs

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

## Unit - I

### **Review of communication process**

- Process; elements and channel
- Facilitators
- Barriers and methods of overcoming
- Techniques

**Assessment methods:** Respond to critical incidents, short answers, objective type.

## Unit - II

### **Interpersonal relations**

- Purpose & types
- Phases
- Barriers & methods of overcoming
- Johari window

**Assessment methods:** Short answer, objective type.

## Unit - III

### **Human relations**

- Understanding self
- Social behaviors, motivation, social attitudes
- Individual & groups
- Groups & individual
- Human relations in context of nursing
- Group dynamics
- Team work

**Assessment methods:** Respond to critical incidents, short answers, objective type.

## Unit - IV

### **Guidance & counseling**

- Definition
- Purpose, scope & need
- Basic principles
- Organization of counseling services
- Types of counseling approaches

- Role & preparation of counselor
- issues for counseling in nursing: students & practitioners
- counseling process- steps & techniques, tools of counselor
- managing disciplinary problems
- management of crisis & referral

**Assessment methods:** Short answer, objective type and assess performance in role play situation.

#### Unit - V

##### **Principles of education & teaching learning process**

- Education: meaning, philosophy, aims, functions & principles
- Nature and characteristics of learning
- Principles and maxims of teaching
- Formulating objectives; general and specific
- Lesson planning
- Class room management

**Assessment methods:** Short answer, objective type and assess lesson plan and teaching session.

#### Unit - VI

##### **Methods of teaching**

- 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 & simulation etc.
- Clinical teaching methods: case method, nursing round & reports, bedside clinic, conference ( individual & group ) process recording.

**Assessment methods:** Short answer, objective type and assess teaching sessions.

#### Unit - VII

##### **Educational media**

- Purposes & types of AV aids, principles & sources etc.
- Graphic aids: chalk board, chart, graph, posted, flash cards, flannel graph, bulletin, cartoon
- Three dimensional aids: objects, specimens, models, puppets
- Printed aids: pamphlets & leaflets
- Projected aids: slides, overhead projector, films, TV, VCR/ VCD, camera, microscope, LCD
- Audio aids: tape recorder, public address system
- Computer

**Assessment methods:** Short answer, objective type and assess teaching aid prepared.

#### Unit - VIII

##### **Assessment**

- Purpose & scope of evaluation & assessment
- Criteria for selection of assessment techniques & methods

- Assessment of knowledge: essay type question, 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

**Assessment methods:** Short answer, objective type and assess strategies used in practice teaching sessions and exercise sessions.

### Unit - IX

#### **Information, education & communication for health (IEC)**

- Health behavior & health education
- Planning for health education
- Health education with individuals, groups & communities
- Communicating health messages
- Methods and media for communicating health messages
- Using mass media

**Assessment methods:** Short answer, objective type and assess planning & conduct of the educational session.

#### **Reference:**

- |   |   |               |
|---|---|---------------|
| 1) Principles of Education              | - | by B N Das    |
| 2) Principles and Practice of Education | - | by K K Bhatia |
| 3) Educational Technology               | - | by B C Das    |

**SYLLABUS FOR**  
**3<sup>RD</sup> YEAR BASIC B.Sc NURSING**

## Third Year

<b>Subject</b>	<b>Theory (In hrs) (Class and lab)</b>	<b>Practical (In hrs) (Clinical)</b>	<b>In Hours</b>
01. Medical Surgical Nursing (Adult including geriatrics) – II	120	270	
02. Child Health Nursing	90	270	
03. Mental Health Nursing	90	270	
04. Midwifery and Obstetrical Nursing	90	180	
05. Environmental studies			
05. Library work / Self Study			50
06. Co-curricular activities			50
<b>Total Hours</b>	<b>390</b>	<b>990</b>	<b>100</b>
<b>Total Hours = 1480 hrs</b>			

**MEDICAL SURGICAL NURSING**  
**(ADULT INCLUDING GERIATICS)-II**  
(3<sup>rd</sup> Year)

Full Marks: 100

University Exam: 75

Internal Exam: 25

Duration of Exam - 3 Hours

Class room teaching – 120 Hrs

**Objective of the Course:** 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 - I

**Nursing management of patient with disorders of Ear Nose and Throat**

- Review of anatomy and physiology of the Ear Nose and Throat –
- Nursing Assessment-History and physical assessment
- Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of Ear, Nose and Throat disorders:
  - External ear: deformities otalgia, foreign bodies, and tumours
  - Middle Ear- Impacted wax, Tympanic membrane perforation, otitis media, otosclerosis, mastoiditis, tumours
  - Inner ear- Menere's Disease, labyrinthitis, ototoxicity, tumours
  - Upper airway infections – common cold, sinusitis, ethinitis, rhinitis, Pharyngitis, tonsillitis and adenoiditis, peritonsillar abscess, laryngitis
- Upper respiratory airway- epistaxis,
- Nasal obstruction, laryngeal obstruction, cancer of the larynx
- Cancer of the oral cavity
- Speech defects and speech therapy
- Deafness-
- Prevention, control and rehabilitation
- Hearing Aids, Implanted hearing devices

Special Therapies

Nursing procedures

Drugs used in treatment of disorders of Ear Nose and Throat

Role of nurse communicating with hearing impaired and muteness.

**Assessment methods:** Easy type, short answers, objective type, assessment of skills with check list, and assessment of patient management problem.

UNIT - II

**Nursing management of patient with disorders of eye**

- Review of anatomy and physiology of the eye-

- Nursing assessment- History and physical assessment
- Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of eye disorder:
  - Refractive errors
  - Eyelids-infection, tumours and deformities
  - Conjunctiva- inflammations and infection, bleeding
  - Cornea – inflammation and infection
  - Lens-cataracts
  - Glaucoma
  - Disorder of the uvea tract,
  - Ocular tumours
  - Disorders of posterior chamber and retina: Retinal and vitreous problems.
  - Retinal detachment
  - Ocular emergencies and their prevention
- Blindness
- National blindness control program
  - Eye Banking
  - Eye prostheses and rehabilitation

Role of a nurse - Communication with visually impaired patient, Eye camps

Special therapies

Nursing procedures

Drugs used in treatment of disorders of eye

**Assessment methods:** Essay type, short answers, objective type, assessment of skills with check list, and assessment of patient management problem.

### Unit - III

#### **Nursing management of patient with neurological disorders**

- 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
- Congenital malformations
- Headache
- Head Injuries
- Spinal Injuries
  - Paraplegia
  - Hemiplegia
  - Quadraplegia
- Spinal cord compression- herniation of intervertebral disc
- Tumours of the brain & spinal cord
- Intra cranial and cerebral aneurysms
- Infections:
  - Meningitis, Encephalitis, Brain abscess, neurocysticercosis
- Movement disorders
  - Chorea
  - Seizures
  - Epilepsies
- Cerebrum Vascular accidents (CVA)
- Cranial, Spinal Neuropathies – Bell's palsy, trigeminal neuralgia
- Peripheral neuropathies; Guillotine- Barre syndrome

- Myasthenia gravis
- Multiple sclerosis
- Degenerative diseases
  - Delirium
  - Dementia
  - Alzheimer's disease
  - Parkinson's disease
- Management of unconscious patients & patients with stroke
- Role of the nurse in communicating with patient having neurological deficit
- Rehabilitation of patients with neurological deficit

Role of nurse in long stay facility (institutions) and at home

Special therapies

Nursing procedures

Drugs used in treatment of neurological disorders

**Assessment methods:** essay type, short answers, objective type, assessment of skills with check list, and assessment of patient management problem.

Unit - IV

**Nursing management of patients with disorders of female reproductive system**

- Review of anatomy and physiology of the female reproductive system
- Nursing Assessment-History and physical assessment
- Breast Self examination
- Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment, modalities and medical & surgical nursing management of disorder of female reproductive system
- Congenital abnormalities of female reproductive system
- Sexuality and Reproductive Health
- Sexual Health Assessment
- Menstrual Disorders;  
Dysmenorrhea, Amenorrhea, Premenstrual, Syndrome
- Abnormal Uterine Bleeding;  
Hemorrhagic, Metrorrhagia
- Pelvic Inflammatory Disease
- Ovarian and fallopian tube disorders; infections, cysts, tumours
- Uterine and cervical disorders; Endometriosis, polyps, Fibroids, Cervical and uterine tumours, uterine displacement, Cytokine/ Retrocede/ Reconcile
- Vagina disorders; Infections and discharge, Fistulous
- Vulvur disorders; Infections, cysts, tumours
- Diseases of Breast; Deformities, Infections, Cyst and Tumours
- Menopause and Hormonal Replacement therapy
- Infertility
- Contraception; Types Methods, Risk and effectiveness
  - Spacing Methods  
Barrier methods, Intrauterine devices, Hormonal, Post Connectional Methods, etc
  - Terminal Methods  
- Sterilization
- Emergency Contraception methods
- Abortion – Natural, Medical and surgical abortion – MTP Act
- Toxic Shock Syndromes
- Injuries and Trauma; Sexual violence

Special therapies

Nursing Procedures

Drugs used in treatment of gynecological disorders

National family welfare programme

**Assessment methods:** Essay type, short answers, objective type, assessment of skills with check list, and assessment of patient management problem.

Unit - V

**Nursing management of patients with Burns, reconstructive and cosmetic surgery**

- Review of anatomy & physiology of the skin & connective tissues & various deformities
- Nursing assessment – history & electrolyte loss
- Etiology, classification, path physiology, diagnosis, treatment modalities & medical & surgical nursing management of burns & re-constructive & cosmetic surgery;
- Types of re-constructive cosmetic surgery; for burns, congenital deformities, injuries & cosmetic purposes
- Role of nurse
- Legal aspects
- Rehabilitation
- Special therapies
  - Psycho social aspects

Nursing procedures.

Drugs used in treatment of burns, reconstructive & cosmetic surgery

**Assessment methods:** Essay type, short answers, objective type, assessment of skills with check list, and assessment of patient management problem.

Unit- VI

**Nursing management of patients with oncological conditions**

- Structure & characteristics of normal & cancer cells
- Nursing assessment- history and physical assessment
- Prevention, screening, early detection, warning signs of cancer
- Epidemiology, etiology, classification, pathophysiology, staging, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of oncological conditions
- Common malignancies of various body systems; oral, larynx, lung, stomach and lymphomas, breast, cervix, ovary, uterus, sarcoma, brain, renal, bladder, prostate
- Oncological emergencies
- Modalities of treatment
  - Immunotherapy
  - Chemotherapy
  - Radiotherapy
  - Surgical interventions
  - Stem cell and bone marrow transplants
  - Gene therapy
  - Other forms of treatment
- Psychosocial aspects of cancer.
- Rehabilitation
- Palliative care; symptom and pain management, nutritional support
- Home care
- Hospice care

- Stomal therapy
- Special therapies
  - Psycho social aspects
- Nursing procedures

**Assessment methods:** Essay type, short answers, objective type, assessment of skills with check list, and assessment of patient management problem.

## Unit - VII

### **Nursing management of patient in EMERGENCY & DISASTER Situations**

#### **Disaster nursing:**

- Concepts and principles of disaster nursing
- Causes and types of disaster:
  - Natural and man-made
    - Earthquakes, floods, epidemics cyclones
    - Fire, explosion, accidents
    - Violence, terrorism; biochemical, war
    - Policies related to emergency/ disaster Management; international, national, state, institutional
- Disaster preparedness:
- Team, guidelines, protocols, equipment;, resources
- Coordination and involvement of; community, various govt. departments, non-Govt. organizations and international agencies
- Role of nurse: working
- Legal aspects of disaster nursing
- Impact on health and after effects; post traumatic stress disaster
- Rehabilitation; physical, psychosocial, financial, relocation

#### **Emergency nursing**

- Concept priorities, principles and scope of emergency nursing
- Organization of emergency services: physical setup, staffing, equipment and supplies, protocols, concepts of triage and role of triage nurse
- Coordination and involvement of different departments and facilities
- Nursing assessment- history and physical assessment
- Etiology, pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of patient with medical and surgical emergency
- Principles of emergency management
- Common emergencies;
- Respiratory emergencies;
- Cardiac emergencies
- Shock and haemorrhage
- Pain
- Poly-trauma, road accidents, crush injuries, wound
- Bites
- Poisoning; food, gas drugs & chemical poisoning
- Seizures
- Thermal emergencies; heat stroke & cold injuries
- Pediatric emergencies
- Psychiatric emergencies
- Obstetrical emergencies

- Violence, abuse, sexual assault
- Cardio pulmonary resuscitation
- Crisis intervention
- Role of the nurse; communication and inter personal relations
- Medico-legal aspects;

#### **Assessment Method**

- Essay type
- Short answers
- Objective type
- Assessment of skills with check list
- Assessment of patient management problem

**Assessment methods:** Essay type, short answers, objective type, assessment of skills with check list, and assessment of patient management problem.

### Unit – VIII

#### **Nursing care of the elderly**

- Nursing assessment- history and physical assessment
- Ageing;
- Demography; myths and realities
- Concepts and theories of ageing
- Cognitive aspects of ageing
- Normal biological ageing
- Age related body systems changes
- Psychosocial aspects of aging
- Medications & elderly
- Stress & coping in older adults
- Common health problems & nursing management ;
- Cardiovascular, respiratory, musculoskeletal,
- Endocrine, genitor – urinary, gastrointestinal
- Neurological, skin & other sensory organs
  - Psychosocial & sexual
  - Abuse of elderly
- Role of nurse for care of elderly : ambulation, nutritional, communicational, psychosocial & spiritual
- Role of nurse for caregivers of elderly
- Role of family & prosthesis ( hearing aids, dentures,
- Legal & ethical issues
- Provisions & programmers for elderly; privileges, community programs & health services;
- Home & institutional care

**Assessment methods:** Essay type, short answers, objective type, assessment of skills with check list, and assessment of patient management problem.

### Unit - IX

#### **Nursing management of patient in critical care units**

- Nursing assessment- history & physical assessment
- Classification
- Principles of critical care nursing
- Organization; physical setup, policies, staffing norms,

- Protocols, equipment & 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
- Ethical & legal aspects
- Communication with patient & family
- Intensive care records
- Crisis intervention
- Death & dying – coping with
- Drugs used in critical care unit

**Assessment methods:** Essay type, short answers, objective type, assessment of skills with check list, and assessment of patient management problem.

### Unit - X

#### **Nursing management of patients adults including elderly with occupational & industrial disorders**

- Nursing assessment – history & physical assessment
- Etiology, path physiology, clinical manifestations, diagnosis, diagnosis, treatment modalities & industrial health disorders
- Role of nurse , special therapies, alternative therapies nursing procedures drugs used in treatment of occupational & industrial disorders

#### **Reference:**

- |  |   |                          |
|--|---|--------------------------|
| 1) Medical Surgical Nursing              | - | by Brunner and Siddharth |
| 2) Medical Surgical Nursing              | - | by Black                 |
| 3) Manual of Nursing Practice            | - | by Lippincott            |
| 4) Medical Surgical Nursing              | - | by B.T. Basavanthappa    |
| 5) Medical Surgical Nursing              | - | by Long                  |
| 6) Essential of Medical Surgical Nursing |   | by Phipps                |
| 7) Nursing Care Plan                     | - | by Mosby                 |
| 8) Medicine for Nurses                   | - | by Bloom                 |
| 9) Internal Medicine                     | - | by Harrison              |
| 10) Principle of Medicine                | - | by Davidson              |
| 11) Morony's Surgery for Nurses          | - | by colmer                |

**MEDICAL SURGICAL NURSING (ADULT AND GERIATRICS) – II**  
**(PRACTICAL)**  
(3<sup>rd</sup> Year)

Full Marks: 100  
University Mark: 50  
Internal Mark: 50

Clinical Practical – 270 Hrs  
Class room teaching – 120 Hrs

Unit- I (1 week)

**ENT**

- Perform examination of ear, nose & throat
- Assist with diagnostic procedures
- Assist with therapeutic procedures
- Instillation of drops
- Perform / assist with irrigations.
- Apply ear bandage
- Perform tracheotomy care
- Teach patients & families

**Assignments:**

- Provide care to 2-3 assigned patients
- Nursing care plan – 1
- Observation reports of OPD & Eye bank
- Maintain drug book

**Assessment Methods:** Assess each skill with checklist, assess performance with rating scale and evaluation of observation report of OPD. Completion of activity record.

Unit – II (1 week)

**Ophthalmology**

- Perform examination of eye
- Assist with diagnostic procedures
- Perform / assist with irrigations.
- Apply eye bandage
- Apply eye drops/ ointments
- Assist with foreign body removal
- Teach patients & families

**Assignments:**

- Provide care to 2-3 assigned patients
- Nursing care plan – 1
- Observation reports of OPD & Eye bank
- Maintain drug book

**Assessment Methods:** Assess each skill with checklist; assess performance with rating scale and evaluation of observation report of OPD/Eye bank. Completion of activity record.

Unit – III (2 weeks)

**Neurology**

- Perform neurological
- Examination
- Use Glasgow coma scale
- Assist with diagnostic procedures
- Assist with therapeutic procedures
- Teach patients & families
- Participate in rehabilitation program

**Assignments:**

- Provide care to 2-3 assigned patients with neurological disorders
- Case study / Presentation – 1
- Observation reports of OPD & Eye bank
- Maintain drug book
- Health teaching -1

**Assessment Methods:** Assess each skill with checklist, assess performance with rating scale and evaluation of case study and health teaching. Completion of activity record.

Unit – IV (1 week)

**Gynecology ward**

- Assist with gynecological
- Examination
- Assist with diagnostic procedures
- Assist with therapeutic procedures
- Teach patients families
- Teaching self breast examination
- Assist with Pap smear collection.

**Assignments:**

- Provide care to 2-3 assigned patients
- Case study / Presentation – 1
- Observation reports of OPD & Eye bank
- Maintain drug book
- Health teaching -1

**Assessment Methods:** Assess each skill with checklist, assess performance with rating scale and evaluation of care plan. Completion of activity record.

Unit- V (1 week)

**Burns Unit**

- 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
- Perform active & passive exercises
- Practice medical & surgical asepsis
- Counsel & teach patients & families
- Participate in rehabilitation program

**Assignments:**

- Provide care to 2-3 assigned patients
- Case study / Presentation – 1
- Observation reports of OPD & Eye bank
- Maintain drug book
- Health teaching -1

**Assessment Methods:** Assess each skill with checklist, assess performance with rating scale and evaluation of care plan an observation report. Completion of activity record.

Unit – VI (1 week)

**Oncology Unit**

- Screen for common cancers – TNM classification
- Assist with diagnostic
  - Biopsies
  - Pap smear
  - Bone – marrow aspiration
- Breast examination
- Assist with therapeutic procedures
- Participates in various modalities of treatment
  - Chemotherapy
  - Radiotherapy
  - Pain management
  - Stoma therapy
  - Hormonal therapy
  - Immuno therapy
  - Gene therapy
  - Alternative therapy
- Participate in palliative care
- Counsel & teach patients families
  - Self breast examination
  - Warning signs
- Participate in rehabilitation program

**Assignments:**

- Provide care to 2-3 assigned patients
- Nursing care plan – 1
- Observation reports of cancer unit

**Assessment Methods:** Assess each skill with checklist; assess performance with rating scale and evaluation of plan an observation report. Completion of activity record.

Unit – VII (2 week)

**Critical Care Unit**

- Monitoring of patients in ICU
- Maintain flow sheet
- Care of patient on ventilators
- Perform end tracheal suction

- Demonstrates use of ventilators, cardiac monitors etc.
- Collect specimens & interprets ABG analysis
- Assist with arterial puncture
- Maintain CVP line
- Pulse oximetry
- CPR- ALS
- Defibrillators
- Pace makers
- Bag – mask ventilation
- Emergency tray / trolley – crash cart
- Administration of drugs
  - Infusion pump
  - Epidural
  - Intra the cal
  - Intracranial
- Total parenteral therapy
- Chest physiotherapy
- Perform active & passive exercises
- Counsel the patient & family in dealing with grieving & bereavement

**Assignments:**

- Provide care to 1 assigned patients
- Drug book
- Observation reports of critical care

**Assessment Methods:** Assess each skill with checklist, assess performance with rating scale and evaluation of plan an observation report. Completion of activity record.

Unit – VIII (1 week)

**Casualty / Emergency**

- Practice ‘triage’
- Assist with assessment, examination, investigations and their interpretations, in emergencies and disaster situations.
- Assist in documentations
- Assist in legal procedure in emergency unit
- Participate in managing crowd
- Counsel patient and families in grief and bereavement

**Assignments:**

- Observation report of emergency unit

**Assessment Methods:** Assess performance with rating scale and evaluation of observation report. Completion of activity record.

## **CHILD HEALTH NURSING**

(3<sup>rd</sup> Year)

Full Marks : 100

University Exam : 75

Internal Exam : 25

Duration of Exam - 3 Hours

Class room teaching – 90 Hrs

**Objective of the Course:** 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 – I

#### **Introduction to modern concepts of childcare**

- Internationally accepted rights of the child
- National policy & legislations in relation to child health & welfare
- National programmers related to child health & welfare
- Agencies related to welfare services to the children
- Changing trends in hospital care, preventive, primitives & curative aspects of child health.
- Child morbidity & mortality rates.
- Differences between an adult & child
- Impact of hospitalization on the child & family,
- Grief & bereavement
- The role of a hospitalized child
- Principles of pre & post operative care of infants & children
- Child health nursing procedures.

**Assessment Methods:** Short answers, objective type questions and assessment of skill with checklist.

### Unit - II

#### **The healthy child**

- Principles of growth & development
- factors affecting growth & development
- growth & development form birth to adolescence
- the needs of normal children through the stages of develop- mental & parental guidance
- nutritional needs of children & infants: breast feeding , exclusive breast feeding supplementary / artificial feeding & weaning,
- baby friendly hospital concept

- accidents: causes & prevention
- value of play & selection of play material
- preventive immunization programmed & cold chain
- preventive pediatrics
- Care of under five & under five clinics/ Well baby Clinic

**Assessment Methods:** Short answers, objective type questions and assessment of field visit and developmental study reports.

### Unit – III

#### **Nursing care of a neonate**

- Nursing care of a normal new born care
- Neonatal resuscitation
- Nursing management of a low birth weight baby.
- Kangaroo mother care
- Nursing management of common neonatal disorder
- Organization of neonatal neonatal unit,
- Identification & nursing management of common congenital malformations.

**Assessment Methods:** Short answers, objective type questions and assessment of skills with checklist.

### Unit – IV

#### **Integrated management of neonatal & childhood illnesses (IMNCI)**

### Unit – V

#### **Nursing management in common childhood diseases**

- Nutritional deficiency disorders
- Respiratory disorders & infections
- Gastrointestinal infections, infestations & rheumatic fever, rheumatic heart disease
- genitor vascular problem: congenital defects & rheumatic fever, rheumatic heart disease
- Genitor – urinary disorders: acute glomerulus's nephritis, nephritic syndrome, wilms' tumor, infection & congenital disorders.
- Neurological infections & disorders: convulsions, hydrocephalus, spinal- bifida.
- Hematological disorders: anemia's, thalassemia, ITP, leukemia, hemophilia
- Endocrine disorders: juvenile diabetes mellitus
- Orthoprdic disorders: club feet, hip dislocation & fracture.
- Disorders of skin, eye & ears
- Common communicable diseases in children, their identification, nursing management in hospital & home & prevention.
- Child health emergencies: poisoning, foreign bodies, hemorrhage, burns & drowning.
- Nursing care of infant & children with HIV/ AIDS.

**Assessment Methods:** Short answers, objective type questions and assessment of skills with checklist.

### Unit – VI

#### **Management of behavioral & social problems in children**

- Management of common behavioural disorders
- Management of common psychiatric problems
- Management of challenged children: mentally, physically, & socially challenged children in India.
- Child guidance clinics

**Assessment Methods:** Short answers, objective type questions and assessment of field visit and developmental study reports.

## **CHILD HEALTH NURSING (PRACTICAL)**

(3<sup>rd</sup> Year)

Full Marks: 100

Clinical Practical – 270 Hrs

University Mark: 50

Internal Mark: 50

Unit –I (3 weeks)

### **Pediatric Medicine ward**

- Taking pediatric history
- Physical examination & assessment of children
- Administer of oral, I/ M & IV medicine/ fluids
- Calculation of fluid requirements
- Prepare different strengths of I. V. fluids
- Apply restraints
- Administer O2 inhalation by different methods
- Give baby bath
- Feed children by katori spoon, etc,
- Collect specimens for common investigations
- Assist with common diagnostic procedures
- Teach mothers/ parents
  - Malnutrition
  - Oral dehydration therapy
  - Feeding & weaning
  - Immunization schedule
  - Play therapy
  - Specific Disease Conditions

### **Assignments:**

- Give care to three assigned pediatric patients
- Nursing care plan – 1
- Case study / presentation – 1
- Health talk - 1

**Assessment Method:** Assess clinical performance with rating scale. Assess each skill with check list OSCE / OSPE. Evaluation of case study / presentation and Health education session. Completion of activity record.

Unit – II (3 weeks)

### **Pediatric Surgery ward**

- Calculate, prepare & administer I/V fluids
- Do bowel wash

- Care for costomies:
  - Colostomy irrigation
  - Ureterostomy
  - Gastrostomy
  - Enterostomy
- Urinary catheterization & drainage
- Feeding
  - Naso – gastric
  - Gastrostomy
  - Jejunostomy
- Care of surgical wounds
  - Dressing
  - Suture removal

**Assignments:**

- Give care to three assigned pediatric surgical patients
- Nursing care plan – 1
- Case study / presentation – 1

**Assessment Method:** Assess clinical performance with rating scale. Assess each skill with check list OSCE / OSPE. Evaluation of case study / presentation and Health education session. Completion of activity record.

Unit - III (1 week)

**Pediatric / OPD / Immunization room**

- Assessment of children
  - Health assessment
  - Developmental assessment
  - Anthropometric assessment
- Immunization
- Health / nutritional education

**Assignments:**

- Developmental study – 1

**Assessment Method:** Assess clinical performance with rating scale. Assess each skill with check list OSCE / OSPE. Completion of activity record.

Unit – IV (1 + 1 week)

**Pediatric Medicine and Surgery ICU**

- Care of a baby in incubator/ warmer
- Care of a child on ventilator
- End tracheal suction
- Chest physiotherapy
- Administer fluids with infusion pump
- Total parenteral nutrition
- Phototherapy
- Monitoring of babies
- Cardio pulmonary resuscitation

**Assignments:**

- Nursing care plan – 1
- Observation report – 1

**Assessment Method:** Assess clinical performance with rating scale. Assess each skill with check list OSCE / OSPE. Evaluation of observation report. Completion of activity record.

## **Mental Health Nursing** (3<sup>rd</sup> Year)

Full Marks : 100

University Exam : 75

Internal Exam : 25

Duration of Exam - 3 Hours

Class room teaching – 90 Hrs

### Unit - I

#### **Introduction**

- Perspectives of Mental Health and Mental Health nursing: evolution of mental health services, treatment 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

**Assessment Method:** Objective type, short answer questions and assessment of the field visit reports.

### Unit - II

#### **Principles and Concepts of Mental Health Nursing**

- Definition: mental health nursing and terminology used
- Classification of mental disorders: ICD
- Review of personality development, defense mechanisms
- Maladaptive behaviour of individuals and groups: stress, crisis and disaster(s)
- Etiology: bio-psycho-social factors
- Psychopathology of mental disorders: review of structure and function of brain, limbic system abnormal neuro transmission
- Principles of Mental health Nursing
- Standards of Mental Health Nursing practice
- Conceptual models and the role of nurse:

- Existential Model
- Psycho-analytical models
- Behavioural model
- Interpersonal model

**Assessment Method:** Objective type, short answer, essay type questions.

### Unit - III

#### **Assessment of mental health status**

- History taking
- Mental status examination
- Mini mental status examination
- Neurological examination: review
- Investigations: related blood chemistry , EEG, CT & MRI
- Psychological tests role & responsibilities of nurse

**Assessment Method:** Objective type, short answer questions and assessment of skills with checklist.

### Unit - IV

#### **Therapeutic communication & nurse- patient relationship**

- Therapeutic communication: types, techniques, characteristics
- Types of relationship,
- Ethics & responsibilities
- Elements of nurse patient contract
- Review of technique of IPR- johari window
- Goals, phases, tasks, therapeutic techniques
- Therapeution impasse & its intervention

**Assessment Method:** Objective type, short answer questions.

### Unit - V

#### **Treatment modalities & therapies used in used in mental disorders**

- Psycho Pharmacology
- Psychological therapies: Therapeutic community, psycho therapy-analytical, cognitive and supportive, Family, Group, Behavioural, Play, Pasycho-drama, Music, Dance, Recreational and Light therapy, Relaxation therapies: Yoga, Meditation, bio feedback
- Alternative system of medicine
- Occupational therapy
- Physical Therapy: electro conclusive therapy
- Geriatric considerations

Role of nurse in above therapies

**Assessment Method:** Objective type, short answer and essay type questions.

### Unit - VI

#### **Nursing management of patient with Schizophrenia, and other psychotic disorders**

- Classifications: ICD
- Etiology, psycho-pathology, types, clinical manifestations, diagnosis
- Nursing Assessment-History, Physical and mental assessment

- Treatment modalities and nursing management of patients with Schizophrenia and other psychotic disorders
- Geriatric considerations
- Follow-up and home care and rehabilitation

**Assessment Method:** Short answer and essay type questions. Assessment of patient management problems.

#### Unit - VII

#### **Nursing management of patient with neurotic, stress related and somatization disorders**

- Anxiety disorders, Phobias, Dissociation and Conversion disorder, Obsessive compulsive disorder, somatoform disorders, post traumatic stress disorder
- Etiology, psycho-pathology, clinical manifestation, diagnosis
- Nursing Assessment-History, Physical and mental assessment
- Treatment modalities and nursing management of patients with neurotic, stress related and somatization disorders
- Geriatric considerations
- Follow-up and home care and rehabilitation

**Assessment Method:** Short answer and essay type questions. Assessment of patient management problems.

#### Unit - VIII

#### **Nursing management of patient with neurotic, stress related & somatization disorders**

- Anxiety disorder, phobias, dissociation & conversion disorders, obsessive, compulsive disorder, somatoform disorders, Post traumatic stress disorder
- Etiology, psycho-pathology, clinical manifestations, diagnosis
- Nursing Assessment-History, Physical and mental assessment
- Treatment modalities and nursing management of patients with neurotic, stress related and somatization disorders
- Geriatrics considerations
- Follow-up and home care and rehabilitation

**Assessment Method:** Short answer and essay type questions. Assessment of patient management problems.

#### Unit - IX

#### **Nursing management of patient with substance use disorders**

- Commonly used psychotropic substance: Classification, forms, routes, action, intoxication and withdrawal
- Etiology of dependence: tolerance, psychological and physical dependence, withdrawal syndrome, diagnosis,
- Nursing Assessment-History, Physical, mental assessment and drug assay
- Treatment (detoxification, antabuse and narcotic antagonist therapy and harm reduction) and nursing management of patients with substance use disorders
- Geriatric considerations
- Follow-up and home care and rehabilitation

**Assessment Method:** Short answer and essay type questions. Assessment of patient management problems.

Unit - X

**Nursing management of patient with Personality, Sexual and Eating disorders**

- Classification of disorders
- Etiology, psycho-pathology, characteristics, diagnosis,
- Nursing Assessment-History, Physical and mental assessment
- Treatment modalities and nursing management of patients with Personality, Sexual and Eating disorders
- Geriatric considerations
- Follow-up and home care and rehabilitation

**Assessment Method:** Short answer and essay type questions. Assessment of patient management problems.

Unit - XI

**Nursing management of childhood and adolescent disorders including mental deficiency**

- Classification
- Etiology, psycho-pathology, characteristics, diagnosis Nursing assessment-History, Physical, mental and IQ assessment
- Treatment modalities and nursing management of childhood disorders including mental deficiency
- Follow-up and home care and rehabilitation

**Assessment Method:** Short answer and essay type questions. Assessment of patient management problems.

Unit - XII

**Nursing management of organic brain disorders**

- Classification: ICD?
- Etiology, psycho – pathology, clinical features, diagnosis ( Parkinson’s & alzheimers )
- Nursing assessment – history, physical , mental & neurological assessment
- Treatment modalities & nursing management of organic brain disorders
- Geriatric considerations
- Follow-up and home care and rehabilitation

**Assessment Method:** Short answer and essay type questions. Assessment of patient management problems.

Unit - XIII

**Psychiatric emergencies and crisis intervention**

- Types of psychiatric emergencies and their management
- Stress adaptation Model: stress and stressor, coping,resources and mechanism
- Grief: Theories of Grieving process, principles, techniques of counselling
- Types of crisis
- Crisis Intervention: Principles, Techniques and Process
- Geriatric consideration role and responsibilities of nurse

**Assessment Method:** Short answer and objective type questions.

## Unit - XIV

### **Legal issues in Mental Health Nursing**

- The Mental Health Act 1987: Act, Section, Articles and their implications etc.
- Indian Lunacy Act etc.1912
- Rights of mentally ill clients
- Forensic psychiatric
- Acts related to narcotic and psychotropic substances and illegal drug trafficking
- Admission and discharge procedures

**Assessment Method:** Short answer and objective type questions.

## Unit - XV

### **Community Mental Health Nursing**

- Development of Community Mental Health Services:
- National Mental Health Programme
- Institutionalization Versus Deinstitutionalization
- Model of preventive psychiatry: Level 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.

**Assessment Method:** Short answers, Objective type questions. Assessment of field visit report.

### **Reference:**

- 1) T.B. of Psychiatric Nursing - by L.P. Saha
- 2) Psychiatric Nursing - by H. Lalitha
- 3) Comprehensive Text Book of Psychiatry by Kaplan
- 4) Psychiatric Nursing - by R. Baby
- 5) Principles and Practice of Psychiatric- by Stuart C.H.

## **Mental Health Nursing (Practical)**

**(3<sup>rd</sup> Year)**

Full Marks: 100  
University Mark: 50  
Internal Mark: 50

Clinical Practical – 270 Hrs

### **Unit – I (1 week)**

#### **Psychiatric OPD**

- History taking
- Perform mental status examination (MSE)
- Assist in Psychometric assessment
- Perform Neurological examination
- Observe and assist in therapies
- Teach patients and family members

#### **Assignments:**

- History taking and Mental status examination – 2
- Health education – 1
- Observation report of OPD

**Assessment Methods:** Assess performance with rating scale. Assess each skill with checklist. Evaluation of health education. Assessment of observation report. Completion of activity record.

### **Unit – II (1 week)**

#### **Child Guidance Clinic**

- History taking
- Assist in psychometric assessment
- Observe and assist in various therapies
- Teach family and significant others

#### **Assignments:**

- Case work – 1
- Observation report of different therapies – 1

**Assessment Methods:** Assess performance with rating scale. Assess each skill with checklist. Evaluation of the observation report

### **Unit – III (6 weeks)**

#### **Inpatient ward**

- History taking
- Perform mental status examination ( MSE )
- Perform Neurological examination
- Perform Neurological examination
- Assist in Psychometric assessment
- Record therapeutic communication
- Administer medications

- Assist in electro- convulsive therapy ( ECT )
- Perpetrate in all therapies
- Prepare patients for activities of daily living ( ADL )
- Conduct admission and discharge counseling
- Counsel and teach patients and families

**Assignments:**

- Give care to 2-3 patients with various mental disorders
- Case study – 1
- Care plan – 2
- Clinical presentation 1
- Process recording 2
- Maintain drug book

**Assessment Method:** Assess performance with rating scale. Assess each skill with checklist. Evaluation of the case study, care plan clinical presentation, process recording. Completion of activity record.

Unit - IV (1 week)

**Community Psychiatry**

- Conduct case work
- Identify individuals with mental health problems
- Assists in mental health camps and clinics c
- Counsel and teach family members, patients and community

**Assignments:**

- Case work – 1
- Observation report on field visits

**Assessment Method:** Assess performance with rating scale. Evaluation of case work and observation report. Completion of activity record

Reference:-

- |   |   |                |
|---|---|----------------|
| 6) T.B. of Psychiatric Nursing              | - | by L.P. Saha   |
| 7) Psychiatric Nursing                      | - | by H. Lalitha  |
| 8) Comprehensive Text Book of Psychiatry    |   | by Kaplan      |
| 9) Psychiatric Nursing                      | - | by R. Baby     |
| 10) Principles and Practice of Psychiatric- |   | by Stuart C.H. |

## **Midwifery and Obstetrical Nursing**

(3<sup>rd</sup> Year)

Full Marks : 100

University Exam : 75

Internal Exam : 25

Duration of Exam - 3 Hours

Class room teaching – 90 Hrs

**Course Description:** This course is designed for students to appreciate the concepts and principles of midwifery and obstetrical nursing. It helps them to acquire knowledge and skills in rendering nursing care to normal and high risk pregnant woman during antenatal, natal and post natal periods in hospitals and community settings. It also helps to develop skills in managing normal and high risk neonates and participate in family welfare programme.

### Unit - I

#### **Introduction to midwifery and obstetrical Nursing**

- Introduction to concepts of midwifery and obstetrical Nursing
- Trends in midwifery and obstetrical nursing
  - Historical perspectives and current trends
  - Legal and ethical aspects
  - Pre-conception care and preparing for parenthood
  - Role of nurse in midwifery and obstetrical care.
  - National policy and legislation in relation to maternal health and welfare.
  - Maternal, morbidity, mortality and fertility rates
  - Perinatal, morbidity and mortality rates

**Assessment method:** Short answers / Objective type

### Unit- II

#### **Review of anatomy and physiology of female reproductive system and foetal development**

- Female pelvis- general description of the bones joints, ligaments, planes of the pelvis diameters of the true pelvis, important landmarks, variations in pelvis shape.
- Female organs of reproduction- external genital, internal genital organs and their anatomical relations, musculature – blood supply, nerves, lymphatic, pelvic cellular tissue, pelvic peritoneum.
- Physiology of menstrual cycle
- Human sexuality
- Foetal development
  - Conception
  - Review of fertilization, implantation ( embedding of the ovum ) development of the embryo and placenta at term- functions, abnormalities, the umbilical chord
  - Foetal circulation, foetal skull, bones, sutures and measurements.
  - Review of genetics

**Assessment method:** Short answers / Objective type.

## Unit – III

### **Assessment and management of pregnancy (ante-natal)**

- Normal pregnancy
- Physiological changes during pregnancy.
  - Reproductive system
  - Cardio vascular system
  - Respiratory system
  - Urinary system
  - Gastro intestinal system
  - Metabolic changes
  - Skin changes
  - Endocrine system
  - Psychological changes
  - Discomforts of pregnancy
- Diagnosis of pregnancy
  - Signs
  - Differential diagnosis
  - Confirmatory tests
- Ante-natal care
  - Objectives
  - Assessment
    - History and Physical Examination
    - Antenatal Examination
    - Signs previous child-birth
    - Relationship of foetus to uterus and pelvis: Lie, attitude, presentation, position
  - Pre Vaginal examination.
- Screening and assessment for high risk;
- Risk approach
- History and physical Examination
- Modalities of diagnosis; Invasive & Non- Invasive, ultrasonic,
- Cardiogram, NST, CST
- Antenatal preparation
  - Antenatal counseling
  - Antenatal exercises
  - Diet
  - Substance use
  - Education for child-birth
  - Husband and families
  - Preparation for safe-confinement
  - Prevention from radiation
- Psycho-social and cultural aspects of pregnancy
  - Adjustment to pregnancy
  - Unwed mother
  - Single parent
  - Teenage pregnancy
  - Sexual violence
- Adoption

**Assessment Method:** Objective type / short answers. Assessment of patient management problems / assessment of skills with check list

## Unit - IV

### **Assessment and management of intra-natal period**

- Physiology of labour, mechanism of labour
- Management of labour
  - First Stage
    - Signs and symptoms of onset of labour; normal and abnormal
    - Duration
    - Preparation of :
      - ✓ Labour room
      - ✓ Women
    - Assessment and observation of women in labour; partogram- material and foetal monitoring
    - Active management of labour, induction of labour
    - Pain relief and comfort in labour
  - Second stage
    - Signs and symptoms; normal and abnormal
    - Duration
    - Conduct of delivery; Principles and techniques
    - Episiotomy (only if required)
      - Neonatal resuscitation; initial steps and subsequent resuscitation
      - Care of umbilical cord
      - Immediate assessment including screening for congenital anomalies
      - Identification
      - Bonding
      - Initiate feeding
      - Screening and transportation of the neonate
  - Third stage
    - Signs and symptoms; normal and abnormal
    - Duration
    - Method of placental expulsion
    - Management; Principles and techniques
    - Examination of the placenta
    - Examination of Perineum
- Maintaining records and reports
- Fourth Stage

**Assessment Method:** Essay type / Objective type / Short answers. Assessment of skills with check list / assessment of patient management problems

## Unit - V

### **Assessment and management of women during post natal period**

- Normal puerperium; Physiology duration
- Postnatal assessment and management
  - Promoting physical and emotional well-being
  - Lactation management
  - Immunization
- Family dynamics after child-birth.
- Family welfare services; methods, counseling
- Follow-up
- Records and reports

**Assessment Method:** Essay type / Objective type / Short answers. Assessment of patient management problems. Assessment of skills with check list.

### Unit – VI

#### **Assessment and management of normal neonates**

- Normal Neonate;
  - Physiological adaptation,
  - Initial & Daily assessment
  - Essential newborn care; Thermal control,
  - Breast feeding, prevention of infections
- Immunization
- Minor disorders of newborn and its management
- Levels of Neonatal care (level I, II, &II)
- At primary, secondary and tertiary levels
- Maintenance of Reports and Records
- Adoption
- Essay type
- Objective type
- Short answers
- Assessment of patient management problems
- Adoption

**Assessment Method:** Essay type / Objective type / Short answers. Assessment of patient management problems

### Unit – VII

#### **High-risk pregnancy – assessment & management**

- Screening and assessment
  - Ultrasonic, cardiotomography, NST, CST, non-invasive & invasive,
  - Newer modalities of diagnosis
- High-risk approach
- Levels of care; primary, secondary and tertiary levels
- Disorders of Pregnancy
  - Hyper-emesis gravidarum, bleeding in early pregnancy, abortion, ectopic
  - Pregnancy, vesicular mole,
  - Ante-partum haemorrhage,
- Uterine abnormality and displacement
- Diseases complicating pregnancy
  - Medical and surgical conditions
  - Infections, RTI (STD), UTI, HIV, TORCH
  - Gynaecological diseases complicating pregnancy
  - Pregnancy induced hypertension & diabetes, Toxemia of pregnancy, hydramnios,
  - Rh incompatibility
  - Mental disorders
- Adolescent pregnancy, Elderly primi and grand multipara
- Multiple pregnancy
- Abnormalities of placenta & cord
- Intra-uterine growth-retardation
- Nursing management of mothers with high-risk pregnancy
- Maintenance of Records and Report

**Assessment Method:** Essay type / Objective type / Short answers. Assessment of patient management problems. Assessment of skills with check list.

## Unit – VII

### **Abnormal Labour – assessment and management**

- Disorders in Labour
  - CPD and contracted pelvis
  - Malposition and malpresentations
  - Premature labour, disorder of uterine actions – precipitate labour, prolonged labour
  - Complications of third stage: injuries to birth canal
- Obstetrical procedures and operations
  - Introduction of labour, forceps, vacuum version, manual removal of placenta, caesarean section, destructive section.
- Nursing management of women undergoing obstetrical operations and procedures.

**Assessment Method:** Essay type / Short answers / Objective type. Assessment of skills with check list. Assessment of patient management problems of post natal complications

## Unit – IX

### **Abnormalities during Postnatal Periods**

- Assessment and management of woman with postnatal complications
  - Puerperial infections, breast engorgement and infections, UTI, thrombo Embolic disorder, post-partum haemorrhage, Eclampsia and subinvolution
- Psychological complications: - Post partum Blues, Post partum depression, Post partum Psychosis.

**Assessment Method:** Objective type. Assessment of skills with check list. Assessment of Patient management problems.

## Unit – X

### **Assessment and management of high risk newborn**

- Admission of neonates in the neonatal intensive care units- protocols
- Nursing management of:
  - Low birth weight babies
  - Infections
  - Respiratory problems
  - Haemolytic disorders
  - Birth injuries
  - Malformations
- Monitoring of high risk neonates
- Feeding of high risk neonates
- Organization and management of neonatal intensive care units
- Infection control in neonatal intensive care units
- Maintenance of reports and records

**Assessment Method:** Essay type / Short answers / Objective type. Assessment of skills with checklist. Assessment of patient management problems

## Unit – XI

### **Pharmaco-therapeutics in obstetrics**

- Indication, dosage, action, contra indication and side effects of drugs
- Effect of drug on pregnancy, labour, and puerperium

- Nursing responsibilities in the administration of drug in obstetrics – oxytocins, antihypertensives, diuretics, tocolytic agents, anticonvulsants
- Analgesics and anesthetics in obstetrics
- Effect of maternal medication on foetus and neonate

**Assessment Method:** Short answers / Objective type.

## Unit - XII

### **Family welfare programme**

- Population trends and problems in India
- Concepts, aims, importance and history of family welfare programme
- National population: dynamics, policy and education
- National family welfare programme; RCH, ICDS, MCH. Safe motherhood
- Organization and administration; at national, state, district, block and village levels
- Methods of contraception; spacing, temporary and permanent, emergency contraception
- Infertility and its management
- Counseling for family welfare
- Latest research in contraception
- Maintenance of vital statistics
- Role of national, international and voluntary organizations
- Role of a nurse in family welfare programme
- Training/ supervision/ collaboration with other functionaries in community like ANM s. LHV s, anganwadi workers, TBAs ( traditional birth attendant- dai)

**Assessment Method:** Essay type, short answers, Objective type questions. Assessment of skills with check list, project and field visits reports

### **Reference:-**

- |                            |   |                       |
|----------------------------|---|-----------------------|
| 1) Text Book of Obstetrics | - | by Dawn               |
| 2) Text Book of Obstetrics | - | by Dutta              |
| 3) Clinical Obstetrics     | - | by Muduliar and Menon |
| 4) Text Book for Midwives  | - | by Prulekar, Shasank  |

# ENVIRONMENTAL STUDIES

Full Marks: 50  
Internal Mark: 50

## **Unit 1 : The Multidisciplinary nature of environmental studies.**

Definition, scope and importance.

(2 hrs)

Need for public awareness.

## **Unit 2 : Natural Resources:**

(8 hrs)

### **Renewable and non-renewable resources:**

Natural resources and associated problems.

- a) Forest resources: Use and over-exploitation, deforestation, case studies. Timber extraction, mining, dams and their effects on forests and tribal people.
  - b) Water resources: Use and over-utilization of surface and ground water, floods, drought, conflicts over water, dams benefits and problems.
  - c) Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources, case studies.
  - d) Food resources : World food problems, changes caused by agriculture and overgrazing effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies.
  - e) Energy resources : Growing energy needs, renewable and non-renewable energy sources, use of alternate energy sources case studies.
  - f) Land resources: Land as a resource, land degradation, man induced landslides, soil erosion and desertification.
- Role of an individual in conservation of natural resources.
  - Equitable use of resources for sustainable lifestyles.

## **Unit 3 : Ecosystems**

(8 hours)

- Concept of an ecosystem.
- Structure and function of an ecosystem.
- Producers, consumers and decomposers.
- Energy flow in the ecosystem.
- Ecological succession.
- Food chains, food webs and ecological pyramids.
- Introduction, types, characteristic features, structure and function of the following ecosystem:-
  - a. Forest ecosystem
  - b. Grassland ecosystem

- c. Desert ecosystem
- d. Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)

**Unit 4: Biodiversity and its conservation (6 hrs)**

- Introduction – Definition: genetic, species and ecosystem diversity.
- Biogeographical classification of India.
- Value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option values.
- Biodiversity at global, National and local levels.
- India as a mega-diversity nation
- Hot-spots of biodiversity.
- Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts.
- Endangered and endemic species of India.
- Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity.

**Unit 5: Environmental Pollution (8 hrs)**

**Definition**

- Causes, effects and control measures of:-
  - a. Air pollution
  - b. Water pollution
  - c. Soil pollution
  - d. Marine pollution
  - e. Noise pollution
  - f. Thermal pollution
  - g. Nuclear hazards
- Solid waste Management : Causes, effects and control measures of urban and industrial wastes.
- Role of an individual in prevention of pollution.
- Pollution case studies.
- Disaster management : floods, earthquake, cyclone and landslide.

**Unit 6 : Social Issues and the Environment (7 hrs)**

- From Unsustainable to Sustainable development
- Urban problems related to energy
- Water conservation, rain water, harvesting, watershed management
- Resettlement and rehabilitation of people; its problems and concerns. Case studies.
- Environmental ethics: Issues and possible solutions.
- Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust. Case studies.
- Wasteland reclamation.
- Consumerism and waste products.
- Environment Protection Act

- Air (Prevention and Control of Pollution) Act.
- Water (Prevention and control of Pollution) Act
- Wildlife Protection Act
- Forest Conservation Act
- Issues involved in enforcement of environmental legislation.
- Public awareness.

## Unit 7 : Human Population and the Environment

(7 hrs)

- Population growth, variation among nations.
- Population explosion – Family Welfare Programme
- Environment and human health.
- Human Rights.
- Value Education.
- HIV / AIDS.
- Women and Child Welfare.
- Role of Information Technology in Environment and human health.
- Case Studies.

(6 lectures)

## Unit 8 : Field work

- Visit to a local area to document environmental assets – river, forest, grassland / hill / mountain.
- Visit to a local polluted site – Urban / Rural / Industrial / Agricultural
- Study of common plants, insects, birds.
- Study of simple ecosystems – pond, river, hill slopes, etc. (Field work Equal to 5 lecture hours).

## Reference:-

2. Agarwal, K.C. 2001 Environmental Biology, Nidi Publ. Ltd. Bikaner.
3. Bharucha Erach, The Biodiversity of India, Mapin Publishing Pvt. Ltd. Ahmedabad – 380 013, India, Email: [mapin@icenet.net](mailto:mapin@icenet.net) (R)
4. Jadhav, H & Bhosale, V.M. 1995. Environmental Protection and Laws. Himalaya Pub. House, Delhi 284p
5. Rao M.N. & Dutta, A.K. 1987. Waste Water treatment. Oxford & IBH Publ. Co. Pvt. Ltd. 345p
6. Sharma B.K., 2001. Environmental Chemistry. Goel Publ. House, Meerut.
7. Survey of the Environment, The Hindu (M)
8. Wagner K.D., 1998. Environmental Management. W.B. Saunders Co. Philadelphia, USA 499p

(M) Magazine  
(R) Reference  
(TB) Textbook

**SYLLABUS FOR**  
**4<sup>TH</sup> YEAR BASIC B.Sc NURSING**

## Fourth Year

Subject	Theory (In hrs) (Class and lab)	Practical (In hrs) (Clinical)
01. Midwifery and Obstetrical Nursing		180
02. Community Health Nursing – II	90	135
03. Nursing Research & Statistics	45	*
04. Management of Nursing Services and education	60+30	
05. Spoken English & Personality Development	60	
<b>Total Hours</b>	<b>225</b>	<b>315</b>
<b>Total hours = 540 Hrs</b>		

\* *Project work to be carried out during internship*

### **Intern-Ship (Integrated Practice)**

Practical = 30 hours per week

Subject	Theory	Practical (In hrs)	In weeks
01. Midwifery and Obstetrical Nursing		240	5
02. Community Health Nursing – II		195	4
03. Medical Surgical Nursing (Adult and geriatric)		430	9
04. Child Health		145	3
05. Mental Health		95	2
06. Research Project		45	1
<b>Total Hours</b>		<b>1150</b>	<b>24</b>

## MIDWIFERY AND OBSTETRICAL NURSING (PRATICAL)

(4<sup>th</sup> year)

Full Marks: 100

Clinical Practical – 180 Hrs

University Mark: 50

Internal Mark: 50

### Unit – I

#### **Antenatal Clinic / OPD (2 Weeks)**

- 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

#### **Assignments:**

- \*Conduct antenatal
- Examinations 30
- Health talk – 1
- Case book recordings

**Assessment Method:** Verification of findings of antenatal examinations. Completion of casebook recordings

### Unit – II

#### **Labour room O.T. (4 weeks)**

- Assessment of woman in labor
- Pervaginal examinations and interpretation
- Maintenance and caring of woman in labour
- Maintenance of pantograph
- Conduct normal delivery delivery
- Newborn assessment and immediate care
- Resuscitation of newborns
- Assessment of risk status of newborn
- Episiotomy and suuring
- Maintenance of labour and birth records
- Arrange for and assist with caesarean section and care for woman & baby during caesarean
- Arrange for and assist with MTP and other surgical procedures

#### **Assignments:**

- \*Conduct normal delivery - 20
- \*Pervaginal examinations – 5
- \*Perform and Suture the episiotomies – 5
- \*Resuscitate newborn – 5

- \* Assist with caesarean section – 2
- \*Witness abnormal deliveries – 5
- Assist with MTP and other surgical procedures – 1
- Case book recordings

**Assessment Method:** Assessment of clinical performance with rating scale. Assessment of each skill with checklists. Completion of case book recordings

### Unit - III

#### **Post natal ward (4 weeks)**

- 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:
  - Mother craft
  - Post natal care and
  - Exercises
  - Immunization

#### **Assignments:**

- \*Give care to post natal mothers - 20
- Health talk – 1
- Case book recordings

**Assessment Method:** Assessment of clinical performance. Assessment of each skill with checklists. Completion of cash book recording. Evaluation of case study and presentation and health education sessions

### Unit – IV

#### **Newborn nursery (2 weeks)**

- Newborn assessment
- Admission of neonates
- Feeding of at risk neonates
  - Katori spoon, paladin, tube feeding, total parenteral nutrition
- Thermal management of neonates-kangaroo mother care, care of baby in incubator
- Monitoring and care of neonates
- Administering medications
- Intravenous therapy
- Assisting with diagnostic procedure
- Assisting with exchange transfusion
- Care of baby on ventilator
- Phototherapy
- Infection control protocols in the nursery
- Teaching and counseling of parents

- Maintenance neonatal records

**Assignments:**

- Case study - 1
- Observation study - 1

**Assessment Method:** Assessment of clinical performance. Assessment of each skill with checklists. Evaluation of and observation study.

Unit – V

**Family planning clinic**

- Counseling technique
- Insertion of IUD
- Teaching On Use Of Family Planning Methods
- Arrange For And Assist With Family Planning Operations
- Maintenance of records and reports

**Assignments:**

- \*IUD insertion - 5
- Observation study – 1
- Counseling – 2
- Simulation exercise of recording and reporting - 1

**Assessment Method:** Assessment of each skill with checklists. Evaluation of and observation study

**\*Essential requirements for registration as midwife**

❖ Antenatal examination	30
❖ Conducting normal deliveries in hospital/ home/ health centre	20
❖ Vaginal examination	5
❖ Episiotomy and suturing	5
❖ Neonatal resuscitation	5
❖ Assist with caesarean section	2
❖ Witness/ assist abnormal deliveries	5
❖ Postnatal cases nursed in hospital/ home / health centre	20
❖ Insertion of IUD	5

Note: all casebooks must be certified by completion of essential requirements

**COMMUNITY HEALTH NURSING – II**  
**(4<sup>th</sup> Year)**

Full Marks : 100  
University Exam : 75  
Internal Exam : 25

Duration of Exam - 3 Hours  
Class room teaching – 90 Hrs

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

**Unit – I**

**Introduction**

- Definition, concept & scope of community health and community health nursing
- Historical development of
  - Community health
  - Community health nursing:- Pre–independence  
Post – independence

**Assessment Method:** Essay type and short answers questions.

**Unit – II**

**Health planning and policies and problems**

- National health planning in India – Five years plans
- Various committees and commissions on health and family welfare
  - Central council for health and family welfare (CCH and FW)
  - National health policies (1983, 2002)
  - National population policy
- Health problems in India

**Assessment Method:** Essay type and short answers.

**Unit –III**

**Delivery of community health services**

- Planning budgeting and material management of SCs, PHC and CHC

**Rural:** Organization, staffing and functions of rural health services provided by government at:

- Village
- Sub centre
- Primary health centre
- Community health center / Sub divisional
- Hospitals
- District
- State
- Centre

**Urban:** Organization, staffing and functions of urban health services provided by Government at:

- Slums
- Dispensaries
- Maternal and child health centres

- Special Clinic
- Hospitals
- Corporation / Municipality / Board
- Components of health services
  - Environmental sanitation
  - Health Education
  - Vital statistics
  - M.C.H. – antenatal, natal, postnatal, MTP Act, female foeticide act, child adoption act
  - Family Welfare
  - National health programmes
  - School health services
  - Occupational health
  - Defense services
  - Institutional services
- Systems of medicine and health care
  - Allopathy
  - Indian System of Medicine and Homeopathy
  - Alternative health care systems like yoga, meditation, social and spiritual healing etc
- Referral system

**Assessment Method:** Essay type / short questions.

#### Unit – IV

#### **Community health nursing approaches, concepts and roles and responsibilities of nursing personnel**

- Approaches
  - Nursing theories and Nursing process
  - Epidemiological approach
  - Problem solving approach
  - Evidence based approach
  - Empowering people to care for themselves
- Concepts of Primary Health Care:
  - Equitable distribution
  - Community participation
  - Focus on prevention
  - Use of appropriate technology
  - Multi-sectoral approach
- Roles and responsibilities of community health nursing personnel in
  - Family health services
  - Information Education Communication (IEC)
  - Management Information System (MIS): Maintenance of records & reports
  - Training and supervision of various categories of health workers
  - National Health Programmes
  - Environmental sanitation
  - Maternal and child health and family welfare
  - Treatment of Minor ailments
  - School Health Services
  - Occupational Health

- Organization of clinics, camps: Types, Preparation, planning, conduct and evaluation
- Waste management in the center, clinics etc.
- Home visit: Concept, Principles, Process, Techniques: Bag technique home visit
- Qualities of Community Health Nurse
- Job Description of Community health nursing personnel

**Assessment Method:** Essay type / Short answers

### Unit – V

#### **Assisting individuals and groups to promote and maintain their health**

- Empowerment for self care of individuals, families and groups in-

#### **A. Assessment of self and family**

- Monitoring growth and development
  - Mile stones
  - Weight measurement
  - Social development
- Temperature and Blood pressure monitoring
- Menstrual cycle
- Breast self examination and testicles
- Warning Signs of various diseases
- Tests: Urine for sugar and albumin, blood sugar

#### **B. Seek health services for**

- Routine checkup
- Immunization
- Counseling
- Diagnosis
- Treatment
- Follow up

#### **C. Maintenance of health records for self and family**

#### **D. Continue medical care and follow up in community for various diseases and disabilities**

#### **E. Carryout therapeutic procedures as prescribed/required for self and family**

#### **F. Waste Management**

- Collection and disposal of waste at home and community

#### **G. Sensitize and handle social issues affecting health and development for self and Family**

- Women Empowerment
- Women and child abuse
- Abuse of elders
- Female Foeticide
- Commercial sex workers
- Food adulteration

- Substance abuse

#### **H. Utilize community resources for self and family**

- Trauma services
- Old age homes
- Orphanage
- Homes for physically and mentally challenged individuals
- Home for destitute

**Assessment Method:** Essay type / Short answers

#### Unit – VI

#### **National health and family welfare programmes and the role of a nurse**

- 1) National ARI programme
  - 2) Revised National Tuberculosis Control Programme (RNTCP)
  - 3) National Anti- Malaria programme
  - 4) National Filaria control programme
  - 5) National Guinea worm eradication programme
  - 6) National Leprosy eradication programme
  - 7) National AIDS control programme
  - 8) STD control programme
  - 9) National programme for control of blindness
  - 10) Iodine deficiency disorder programme
  - 11) Expanded programme on immunization
  - 12) National Family Welfare Programme – RCH Programme historical development, organisation, administration, research, constraints
  - 13) National water supply and sanitation programme
  - 14) Minimum need programme
  - 15) National Diabetics control programme
  - 16) Polio Eradication: Pulse Polio Programme
  - 17) National Cancer Control Programme
  - 18) Yaws Eradication Programme
  - 19) National Nutritional Anemia Prophylaxis programme
  - 20) 20 point programme
  - 21) ICDS programme
  - 22) Mid-day meal applied nutritional programme
  - 23) National mental health programme
- Health schemes
    - ESI
    - CGHS
    - Health insurance

**Assessment Method:** Essay type / Short answers

#### Unit – VII

- **Health Agencies**

**International** – WHO, UNFPA, UNDP, World Bank, FAO, UNICEF, DANIDA, European Commission (EC), Red cross, USAID, UNESCO, Colombo Plan, ILO, CARE etc.

**National** – Indian Red Cross, Indian Council for child welfare, Family Planning Association of India(FPAI), Tuberculosis Association of India,

Hindu Kusht Nivaran Sangh, Central Social Welfare Board, All India women's conference, Blind Association of India etc.

**Assessment Method:** Essay type / Short answers

**Reference:-**

- 1) Text book of Social and Preventive Medicine - by K Park
- 2) Community Health Nursing - by Stanhope  
Community Health Nursing - by Bassavanthappa

**Community Health Nursing – II**

**(Practical)**

**(4<sup>th</sup> Year)**

Time Practical – 135 hours

**Practical**

**Area:** Community Health Nursing (Urban and Rural)

**Duration:** One week for Urban and four week for Rural. (135 hrs)

**Objective:** To identify the community profile. To identify prevalent communicable and non-communicable diseases. To diagnose health needs of individual family and community and to plan provide and evaluate care. To participate in school health program and national health programs. To organize group for self help and involve clients in their own health activities. To provide family welfare services and counsel and educate individual, family and community. To collect vital health statistics and to know how to maintain records and reports.

**Skills:** Community health survey. Community diagnosis. Family care: home adaptation of common procedures. Home visit: Bag technique. Organize and conduct clinics antenatal, post natal, well baby clinic, camps etc. Screen manages and referrals for: high risk mothers and neonates. Accidents and emergencies. Illnesses: physical and mental - Disabilities. Conduct delivery at centre/home: episiotomy and suturing. Resuscitate newborn. School health programme- Screen, manage, refer children. Collaborate with health and allied agencies. Train and supervise health workers. Provide family welfare services: insertion of IUD. Counsel and teach individual, family and community about: HIV, TB, diabetes, hypertension, mental health, adolescents, elderly's health, physically and mentally challenged individual etc. Collect and calculate vital health statistics. Document and maintain - Individual, family and administrative records, write reports centre, disease, national health programme/projects.

**Assignments:**

- Community survey report-1.
- Family care study-1.

- Project- 1.
- Health talk-1.
- Case book recording.

**Assessment Method:** Assess clinical performance with rating scale. Evaluation of community survey report, family care study, project and health talk. Completion of activity record and case book recording.

## **NURSING RESEARCH AND STATISTICS**

(4<sup>th</sup> Year)

Full Marks: 100

University Exam: 75

Internal Exam: 25

Duration of Exam - 3 Hours

Class room teaching – 45 Hrs

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

### Unit-I

#### **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

**Assessment Method:** Short answer, Objective type

### Unit – II

#### **Research Problem/Question**

- Identification of problem area
- Problem statement
- Criteria of a good research problem.
- Writing objectives

**Assessment Method:** Short answer, Objective type

### Unit – III

#### Review of Literature

- Location
- Sources
- On line search; CINHAL, COCHRANE etc.
- Purposes
- Method of review

**Assessment Method:** Short answer, Objective type

## Unit – IV

### **Research approaches and designs**

- Historical, survey and experimental
- Qualitative and Quantitative designs

**Assessment Method:** Short answer, Objective type

## Unit – V

### **Sampling and data collection**

- Definition of Population, Sample, sampling criteria, factors influencing sampling techniques.
- Data- why, what, from whom, when and where to collect.
- Data collection methods and instruments:
  - Methods of data collection
  - Questioning, interviewing
  - Observations, record analysis and measurement
  - Types of instruments
  - Validity & Reliability of the Instrument
  - Pilot study
  - Data collection procedure

**Assessment Method:** Short answer, Objective type

## Unit VI

### **Analysis of data:**

- Compilation, Tabulation, classification, summarization, presentation, interpretation of data

**Assessment Method:** Short answer, Objective type

## Unit – VII

### **Introduction to statistics**

- Definition, use of statistics, scales of measurement.
- Frequency distribution and graphical presentation of data
- Mean, Median, Mode, Standard deviation
- Normal Probability and tests of significance
- Co-efficient of correlation.
- Stastical packages and its application

**Assessment Method:** Short answer, Objective type

## Unit – VIII

### **Communication and utilization of Research**

- **Communication of research findings**
  - Verbal report
  - Writing research report
  - Writing scientific article/paper
    - Critical review of published research
    - Utilization of research findings

**Assessment Method:** Short answer, Objective type, Oral presentation, Assessment of group research project.

## Reference:-

Patricia L Munhall	Nursing Research
Strombrog Frank marion	Instrument for clinical health care reasearch
B T Basvanthappa	Nursing Research
Burns	Understanding Nursing Reaserch
Poilt	Nursing Reaserch
C.k	Research Methodlogy
Best	Reaserch in Education
Bruns Nancy	Understanding Nursing Reaserch
Wood j marilynn	Basic steps in planning reasearch
B Sarmukaddam	Biostatistics
B K Mahajan	Biostatistics
G N Prabhakara	Biostatistics
Mahajan BK	Methods in Biostatistics

# Management of Nursing Services and Education

## (4<sup>th</sup> Year)

Full Marks: 100

University Exam: 75

Internal Exam: 25

Duration of Exam - 3 Hours

Class room teaching – 90 Hrs

### Unit – I

#### **Introduction to management in nursing**

- Definition, concepts and theories
- Functions of management
- Principles of Management
- Role of Nurse as a manager

**Assessment Method:** Short answer.

### Unit – II

#### **Management process**

- Planning; mission, philosophy, objectives, operational plan
- Staffing: philosophy, staffing study, norms, activities, patient classification systems, scheduling
- Human resources management; recruiting, selecting, deployment, retaining, promoting, super annuation etc
- Budgeting: concept, principles, types, cost benefit analysis, audit
- Material management: equipment and supplies
- Directing process (Leading)
- Controlling: Quality management
- Program Evaluation, Review Technique (PERT), Bench marking, Activity Plan (Gantt Chart),

**Assessment Method:** Essay type / Short type

### Unit – III

#### **Management of nursing services in the hospital and Community**

- Planning:
  - Hospital and patient care units including ward management
  - Emergency and disaster management
- Human resource management:
  - Recruiting, selecting, deployment, retaining, promoting, superannuation etc.
  - Categories of nursing personnel including job description of all levels
  - Patient/population classification systems
  - Patients/ Population assignment and Nursing care responsibilities
  - Staff development and welfare
- Budgeting: proposal, projecting requirements for staff, equipments and supplies for
  - Hospital and patient care units
  - Emergency and disaster management
- Material management; procurement, inventory control, auditing and maintenance in
  - Hospital and patient care units

- Emergency and disaster management
- Directing and leading: delegation, participatory management
  - Assignments, rotations, delegations
  - Supervision & guidance
  - Implement Standards, policies, procedures and practices
  - Staff development and welfare
  - Maintenance of discipline
- Controlling/Evaluation
  - Nursing Rounds/Visits, Nursing protocols, Manuals
  - Quality Assurance Model, documentation
  - Records and reports performance appraisal

**Assessment Method:** Essay type/short answers, assessment of problem solving exercises, assessment of the assignments, performance evaluation by ward sister with rating scale.

#### Unit – IV

##### **Organisational behaviour and human relations**

- Concepts and theories of organizational behaviours
- Review of Channels of communication
- Leadership styles
- Review of Motivation; concepts and theories
- Group dynamics
- Techniques of;
  - Communication; and
  - Interpersonal relationships
  - Human relations
- Public relations in context of nursing
- Relations with professional associations and employee unions and Collective bargaining

**Assessment Method:** Essay type / Short Answers, Assessment of problem solving.

#### Unit – V

##### **In service education**

- Nature and 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

**Assessment Method:** Short answer, Assess the planning & conduct of the educational session.

#### Unit – VI

##### **Management of nursing educational institutions**

- Establishment of Nursing educational institution-INC norms and guidelines
- Co-ordination with-
  - Regulatory bodies
  - Accreditation
  - Affiliation – Philosophy / Objectives

## - Organization

- Structure
  - Committee – Physical facilities
  - College / School
  - Hostel – Students
  - Selection
  - Admission
  - Guidance and Counseling
  - Maintaining discipline – Faculty and Staff
  - Selection
  - Recruitment
  - Job description
  - Placement
  - Performance appraisal
  - Development and welfare
  - Budgeting
  - Equipments and supplies: audio visual equipments, laboratory equipments, laboratory equipment, books, journals etc.
  - Curriculum; Planning, implementation and evaluation
  - Clinical facilities
  - Transport facilities
  - Institutional Records and reports – administrative, faculty, staff and students
- Assessment Method:** Essay type / Short Answers.

## Unit – VII

### **Nursing as a profession**

- Nursing as a profession
  - Philosophy; nursing practice
  - Aims and objectives
  - Characteristics of a professional nurse
  - Regulatory bodies; INC, SNC, Acts:- constitution, functions
  - Current trends and issues in nursing
- Professional ethics
  - Code of ethics; INC, ICN
  - Code of professional conduct; INC, ICN
- Practice standards for Nursing, INC
- Consumer protection Act
- Legal Aspects in Nursing
  - Legal terms related to nursing practice; Breach and penalties
  - Malpractice and negligence

**Assessment Method:** Short Answers, assessment of critical incidents..

## Unit – VIII

### **Professional advancement:**

- Continuing education
- Career opportunities
- Collective bargaining
- Membership with professional organizations; National and International
- Participation in research activities

- Publications; Journals, newspaper etc.

**Assessment Method:** Short answers

**Reference: -**

- 1) Head Nurse, their Leadership Role - by Jean Barret
- 2) Nursing Administration - by B.T. Basavanhappa
- 3) Principles of Administration Applied to Nursing Service - by Goddard
- 4) Nursing administration - by IGNOU Publication
- 5) Teaching and Learning in School of Nursing - by Heidgerken  
Nursing Education

# **SPOKEN ENGLISH & PERSONALITY DEVELOPMENT**

Total Hours – 70 hrs

## **Part - A**

### **i) FUNCTIONAL GRAMMAR & VOCABULARY BUILDING CLASSES: (10 hrs)**

1. Parts of speech
2. Sentence parts: Phrases and clauses
3. Basic sentence pattern
4. Semantic sentences
5. Tense, time & aspect
6. Non-finites
7. Conditionals
8. Subject-verb agreement
9. Active & Passive
10. Reported speech
11. Modals
12. Structural sentences
13. Relative clauses

## **Part - B**

### **ii) INTERACTIVE CLASSES (20 hrs)**

1. To enquire, to influence, to regulate, to entertain, to persuade, to motivate, to instruct, to inform, to request etc.
2. Polite expressions & greetings
3. Body conditioning and naturalization
4. Questions, statements and responses
5. Argumentations and debates
6. Group discussions
7. Analytical classes
8. Short responses
9. Omission of information
10. Tag questions
11. What-to-say classes
12. Useful expressions
13. Polite questions
14. Word games
15. Fun classes

16. Fillers such as well, you know, any way etc.
17. Word contracts
18. Silent and voice-filled pauses
19. Repetition and false starts
20. Other interactive features.

### **Part - C**

#### **iii) PRESENTATION CLASSES (20 hrs)**

1. Speech making
2. Pictorial analysis
3. Impersonation
4. Oral reporting
5. Impromptu Speech
6. Story developing
7. Narrative and descriptive presentations
8. Elocution and inflection
9. Retrieval, factual and experiential presentations.
10. Paraphrasing
11. Context building
12. Idea presentations
13. Event analyses
14. Oral reporting
15. One-minute speech
16. Public speaking

### **Part – D**

#### **iv) PHONETIC CLASSES (10 hrs)**

1. Phoneme studies
2. Long and short vowels
3. Diphthongs
4. Consonant classification
5. Syllables and syllabic division
6. Speech organs, areas of articulation and exercise
7. Elocution & inflection
8. Stress pattern
9. Neutral accents
10. Intonation
11. American and British styles
12. Word contracts
13. Stress on paradigm shift
14. Rhythm

## **Part – E**

### **vi) PERSONALITY DEVELOPMENT (10 hrs)**

1. Basic human personality
2. Personality domains and development
3. Universal human values
4. Personality in the face of cross-culture environment
5. Balancing between your career personality and social personality
6. Self-confidence
7. Interpersonal skills
8. Memory development
9. Cognitive area development
10. Corporate personality
11. Relevance of spiritualism
12. Banishment of phobias
13. Value of exercise
14. Yoga classes (for educational success)
15. Outfits
16. Making friends
17. Socialization
18. Present work culture and new challenges
19. Problem-solving and decision-making
20. Life skills

### **REFERENCE BOOKS :**

1. Cassell's Student's English Grammar- J. Alsop
2. Grammar Games – Mario Rinvlukri (OUP)
3. A Course in Communication Skills – Dutt et al (CUP)
4. Oxford Advanced Learner's Dictionary (OUP)
5. Cambridge Learner's Dictionary (CUP)
6. Better English Pronunciation – J.D O Connor (ELBS)

**INTERNSHIP**  
**(Integrated Practice)**

**Total duration: 1150 Hrs. (24 weeks) 8 Hrs. per day (i.e. 48 Hrs. per week)**

**Midwifery and Obstetrical Nursing**

**Duration:** 240 Hours (5 weeks)  
**Area:** **Labour ward** (2 weeks)  
**Neonatal intensive care unit/NICU** (1 week)  
**Antenatal** (2 weeks)  
**Objective:** Provide comprehensive care to mothers and neonates.  
**Skills:** Integrated practice  
**Assignment:** Completion of other essential requirements and case book recording.  
**Assessment:** Assess clinical performance with rating scale and completion of case book recordings

**Community Health Nursing - II**

**Duration:** 195 Hours (4 weeks) {195 Hrs. (8 hours per day)}  
**Area:** **Urban and Rural**  
**Objective:** To provide comprehensive care to individual, family and community of Urban and Rural.  
**Skills:** Integrated practice and group project – 1 in each rural and urban.  
**Assessment:** Assess clinical performance with rating scale. Evaluation of report.  
**Note:** **During the rural posting they should stay in health centers under the supervision of teachers.**

**Medical Surgical Nursing (Adult including Geriatrics) – I**

**Duration:** 260 Hrs (9 weeks)

**Unit – I**

**Area - ICU, CCU, CARDIAC OT (2 weeks)**

- Assist in arterial puncture for blood gas analysis.
- Perform ECG & interpret accordingly.
- Conduct & analysis pulse oximetry.
- Care with artificial airway.
- Assist in end tracheal intubations.
- Setting up ventilator.
- Giving care in ventilator.
- Drug sheet
- Observation of special procedure in OT.

**Assignments:**

- Arterial puncture – 5
- Talking out ECG strip – 5

- Tracheal suction – 5 (for all assigned patient)
- Oxygen administration by CPAP mask and use Ambu bag (for all assigned patient)
- Nursing care in ventilator
- Drug sheet

**Assessment:** Record book checking.

### Unit – II

#### **Area - Neuro ICU, ITU, OT (2 weeks)**

- Assess neurological status.
- Implement care to head injury spinal injury patients.
- Drug sheet.
- Pre & postoperative care with neuron surgery patients.

#### **Assignments:**

- Assessment for assigned patients
- Nursing care plan - 2
- Drug sheet

**Assessment:** Record book checking.

### Unit – III

#### **Area - Burns and plastic reconstructive surgery (2 weeks)**

- Nursing care – assess the severity of burn
- Administer rehydration therapy

#### **Assignments:**

- Assist 5 cases

**Assessment:** Record book checking.

### Unit – IV

#### **Area - OT Laparoscopic, Orthopaedic, Eye, ENT (3 weeks)**

- Nursing care
- Assist in OT tale layout
- Observe immediately after operation
- Supervise infection control

#### **Assignments:**

- Assist 5 cases

**Assessment:** Record book checking.

## **Medical Surgical Nursing (Adult and Geriatrics) – II**

**Duration:** 430 Hours (9 weeks)

**Unit – I** (2 weeks)

**Area:** **Medical Ward**

**Objective:** Provide comprehensive care to patients with medical and surgical conditions including emergencies

**Skills:** Integrated practice

**Assessment:** Assess clinical performance with rating scale.

**Unit – II** (2 weeks)

**Area:** **Surgical Ward**

**Objective:** Assist with common operation.

**Skills:** Integrated practice

**Assessment:** Assess clinical performance with rating scale.

**Unit – III** (1 week)

**Area:** **Critical Care unit / ICCU**

**Objective:** Provide comprehensive care to patients with medical and surgical conditions including emergencies

**Skills:** Integrated practice

**Assessment:** Assess clinical performance with rating scale.

**Unit – IV** (2 weeks)

**Area:** **Casualty / Emergency**

**Objective:** Provide comprehensive care to patients with medical and surgical conditions including emergencies

**Skills:** Integrated practice

**Assessment:** Assess clinical performance with rating scale.

**Unit – V** (2 weeks)

**Area:** **Operation Theater (Eye, ENT, Neuro)**

**Objective:** Assist with common operation.

**Skills:** Integrated practice

**Assessment:** Assess clinical performance with rating scale.

## Child Health

**Duration:** 145 Hours (3 weeks)

Unit – I (1 week)

**Area:** **Pediatric medicine ward/ICU**

**Objective:** Provide comprehensive care to children with medical conditions  
Assess clinical performance with rating scale

**Skills:** Integrated practice

**Assessment:** Assess clinical performance with rating scale.

Unit – II (1 week)

**Area:** **Pediatric surgery ward /ICU**

**Objective:** Provide comprehensive care to children with surgical conditions

**Skills:** Integrated practice

**Assessment:** Assess clinical performance with rating scale

Unit – III (1 week)

**Area:** **NICU**

**Objective:** Provide intensive care to neonates

**Skills:** Integrated practice

**Assessment:** Assess clinical performance with rating scale

## Mental Health Nursing

**Duration:** 95 Hrs. (2 weeks)

**Area:** **Psychiatry ward**

**Objective:** Provide comprehensive care to patients with mental health problems

**Skills:** Integrated practice

**Assessment:** Assess clinical performance with rating scale

## Research Project

**Duration:** 45 Hours (1 week)

