

BACHELOR OF SCIENCE IN NURSING

B.Sc Nursing Degree Course

REGULATIONS - 2005
With Amendment till 2017

FACULTY OF MEDICINE & HEALTH SCIENCES

SRM UNIVERSITY

Kattankulathur - 603 203

SRM UNIVERSITY
SRM COLLEGE OF NURSING
REGULATIONS OF THE UNIVERSITY

SHORT TITLE AND COMMENCEMENT

These regulations shall be called **"THE REGULATIONS FOR THE BACHELOR OF SCIENCE IN NURSING DEGREE COURSE2005 , WITH AMENDMENTSTILL 2017, SRM UNIVERSITY." These regulations , Curriculum & Syllabus are framed in compliance with Indian Nursing Council,** as per INC Notification dated 01.07.2015 to include compulsory Environmental Study Course at Under Graduate Level and the same approved in 31st academic Council Meeting of SRM University held on 21.03.2016.The Amendment of syllabus & marks distribution in the subjects are made and the same are implemented for the candidates prospectively from the Academic year 2016-17.

ELIGIBILITY FOR ADMISSION

Candidates belonging to all Categories for admission to the B.Sc. degree course Nursing should have passed at the qualifying examinations (academic stream) Higher secondary examination with equivalent qualification with the following subjects: Physics, Chemistry and Biology or Botany, Zoology and English with aggregate marks 45%(PCBE)as per Indian Nursing Council(INC).

1. MEDICAL FITNESS

Every Candidate before admission to the course shall submit to the Principal of the Institution a certificate of Medical Fitness from an authorized Medical Officer that the Candidate is physically fit to undergo the academic course.

2. AGE LIMIT FOR ADMISSION

Female/Male candidates should have completed the age of 17 years at the time of admission or should complete the said age on or before 31st December of the year of admission to the first year nursing course.

3. DURATION OF THE COURSE

The duration of study for the B.Sc. Degree course in Nursing (Basic) shall extend over a period of 4 (four) academic years.

4. COMMENCEMENT OF THE COURSE

The course will commence normally from October of every academic year

5. COMMENCEMENT OF THE EXAMINATION

The commencement of the examination will be in the month of September and March.

The University Exams shall be conducted twice in a year. Regular exams shall be conducted in September and arrear exams in the month of March every year

6. CUT OFF DATES FOR ADMISSION TO THE EXAMINATION

The candidate admitted and registered upto30thOctober shall take up their regular first year examination, after fulfillment of relevant regulations, during September session of the next year

7. MEDIUM OF INSTRUCTION

English shall be the medium of Instruction for all the subjects of study and for examination of the B.Sc. Degree Course in Nursing (Basic).

8. CURRICULUM

The curriculum and the syllabi for the course shall be as prescribed by the Academic Council from time to time.

FIRST YEAR		
Subjects	**Theory Hours**	**Practical Hours**
English	60	-
Anatomy	60	15
Physiology	60	15
Nutrition	45	15
Biochemistry	30	15
Nursing Foundations	265	650
Microbiology	45	15
Introduction to Computers	25	20
Library/Self Study	50	-
Co curricular activities	50	-
Total	**690**	**745**
SECOND YEAR		
Psychology	60	
Sociology	60	
Pharmacology, Pathology and Genetics	45+20+15	10
Medical & Surgical Nursing(Adult including Geriatrics)-I	210	720

Community Health Nursing – I	90	135
Communication and Educational Technology	60+30	
Library/Self study	50	
Co-curricular activities	35	
Total	**675**	**865**
THIRD YEAR		
Medical Surgical Nursing (Adult including geriatrics)- II	120	300
Child Health Nursing	90	270
Mental Health Nursing	90	270
Nursing Research and statistics	60	-
Library/Self study	50	-
Co-curricular activities	50	-
Total	**460**	**840**
INTERNSHIP:(Integrated Practice)		
Child Health Nursing	145	3Weeks
Nursing Research and statistics	45	1 Week
Total	**190**	**4 Weeks**
FOURTH YEAR		
Midwifery & Obstetrical Nursing	90	180
Community Health Nursing –II	90	135
Management of Nursing Services and Education	60	30
Total	**270**	**315**

INTERNSHIP: (Integrated Practice)				
S.No.	**Subjects**	**Theory**	**Practical**	**In Weeks**
1.	Midwifery and Obstetrical Nursing		**420**	**9**
2.	Community Health Nursing-II		**195**	**4**
3.	Medical Surgical Nursing (adult including geriatrics)		**430**	**9**
4.	Mental Health Nursing		**95**	**2**
	Total		**1140**	**24 Weeks**

9. WORKING DAYS IN AN ACADEMIC YEAR

Each academic year shall consist of not less than 240 working days

10. ATTENDANCE

10.1 Every candidate is required to put in a minimum of 80% of attendance in theory and practical separately in each subject to qualify for admission to the University examination.

10.2 A candidate lacking in the prescribed attendance and progress in any one subject in theory or practical in the first appearance shall not be permitted for appearing in the University examination for that subject.

10.3 There shall be no condonation of attendance. However 5% is at the discretion of the Vice Chancellor

10.4 A candidate must have 100% attendance in each of practical areas before award of degree.

10.5 A Candidate lacking in attendance should submit an application in the prescribed form 15 days prior to the commencement of the theory examination to the University through the Head of the Institution.

10.6 The Head of the Institution should satisfy themselves on the reasonableness of the candidate's request while forwarding the application of the candidates to the Controller of Examinations who would obtain the vice chancellor's approval for admission to the examination. No application shall be considered if it is not forwarded through proper channel.

10.7 The Head of the Institution, while recommending and forwarding the application for condonation should take into consideration the following circumstances.

10.7.1. Any illness affecting the candidate :-he/she ,should have submitted to the Head of the Institution, a medical certificate from a registered medical practioner of SRM General Hospital, soon after returning to the Institution after treatment.

10.7.2. Any unforeseen tragedy in the family:- The Parent/ Guardian should have given in writing the details of the ward's absence to the head of the Institution.

10.7.3. Participation in NCC/NSS and other co- curricular activities representing the Institution or University:A certificate issued by the officer in charge of the student activities concerned certifying the participation of the student in the event which necessitation the student's absence duly endorsed by the Head of the Institution should be enclosed

11. INTERNAL ASSESSMENT

11.1 A minimum of six written examinations shall be conducted in each subject during an academic year and the average marks of the six performances shall be taken into consideration for the award of sessional marks.

11.2 A minimum of one practical examination shall be conducted in each subject (wherever practical have been included in the curriculum) and grades of ongoing clinical evaluation to be considered for the award of sessional marks.

11.3 A failed candidate in any subject should be provided an opportunity to improve his sessional marks by conducting a minimum of two examinations in theory and practical separately.

11.4 If a failed candidate does not appear for any 'Improvement Mark Examinations' in the failed subject (s) the internal marks awarded for the previous examination shall be carried over for his subsequent appearance(s)

11.5 The internal assessment marks should be submitted to the University endorsed by the Head of the institution 15 days prior to the commencement of the theory examination.

12 SUBMISSION OF RECORD NOTE BOOKS

At the time of practical examination, each candidate shall submit to the examiners the record notebooks duly certified by the Head of the College as a bonafide record of work done by the candidate.

13 CARRYOVER OF FAILED SUBJECTS

13.1 All subjects till 3rd year should be successfully completed before appearing for final year University Examination**.** However candidate should complete the programme within the maximum duration of 8 years.

13.2 Theory and Practical examinations should be passed separately by a candidate. If he or she fails in theory or practicals both theory and practical examination must be repeated.

14 MARKS QUALIFYING FOR A PASS

A candidate will be declared to have passed a subject/paper in the Theory University examination if He/she secures not less than 50% of marks in the Theory internal assessment and also not less than 50% marks in the University Theory examination. A candidate will be declared to have passed in the practical university examination if he/she secures not less than 50% of marks in the Practical internal assessment and not less than 50% marks in the University Practical examination. The candidate need to score overall 50% of marks in internal assessment and University examination.

15 REVALUATION OF ANSWER PAPERS

There shall be no revaluation of the answer papers. Re totaling is permitted.

16 RE-ADMISSION AFTER BREAK OF STUDY

16.1 The candidate having a break of study of five years and above from the date of admission and more than two spells of break will not be considered for re admission.

16.2 The five years period of break of study shall be calculated from the date of first admission of the candidate to the course inclusive of all the subsequent spells of break of studies.

16.3 A candidate having a break of study shall be re-admitted after satisfactory fulfillment of the regulations of the University at the commencement of an academic year only and shall undergo the full duration of the course. No exemption for the period of study already undergone or for the examination already passed shall be granted. The candidate will be required to appear for all the examinations as prescribed in the regulations in vogue at the time of readmission.

17 MODALITIES FOR AWARD OF CLASS

Passed in First Attempt Within Course Duration

Percentage of Marks 75.00 - 100.00 -------->> First Class With Distinction
Percentage of Marks 60.00 - 74.00 ---------->> First Class
Percentage of Marks 50.00 -59.00 ---------->> Second Class

Passed in Second AttemptWithin Course Duration

Percentage of Marks 60.00 -100.00 ---------->> First Class
Percentage of Marks 50.00 -59.00 ---------->> Second Class

Passed After Course Duration

Percentage of Marks 50.00 - 100.00 ---------->> Second Class

VACATION

The Heads of Institutions shall declare 6 (Six) weeks vacation in an academic year to the students. The period of vacation can be decided by the Head of the institution.

SCHEME OF EXAMINATION
FIRST YEAR

S. No.	Subject Code	Subjects	Internal Assessment				University Exams					Total		Passing	
			Theory		Practical			Theory		Practical					
			Min Pass Marks	Max Pass Marks	Min Pass Marks	Max Pass Marks	Duration	Min Pass Marks	Max Pass Marks	Min Pass Marks	Max Pass Marks	Theory	Practical	Min	Max
1	BSN 101	English	13	25	NA	NA	3 hrs	38	75	NA	NA	100	NA	50	100
2	BSN 102	Anatomy	13	25	NA	NA	3 hrs	38	75	NA	NA	100	NA	50	100
3	BSN 103	Physiology	13	25	NA	NA	3 hrs	38	75	NA	NA	100	NA	50	100
4	BSN 104A	Nutrition*	13	25	NA	NA	3 hrs	38	75	NA	NA	100	NA	50	100
5	BSN 105	Biochemistry	8	15	NA	NA	1 hr.30 mints.	18	35	NA	NA	50	NA	25	50
6	BSN 106A	Nursing Foundations	13	25	50	100	3 hrs	38	75	50	100	100	200	100	200
7	BSN 107	Microbiology	13	25	NA	NA	3 hrs	38	75	NA	NA	100	NA	50	100
8	BSN 108	Introduction to Computers	13	25	38	75	NA	NA	NA	NA	NA	100		50	100

- The Amendment of syllabus & marks distribution in the subjects are made and the same are implemented for the candidates prospectively from the Academic year 2016-17.
- As per INC Notification dated 01.07.2015 to include compulsory Environmental Study Course at Under Graduate Level and the same approved in 31st academic Council Meeting of SRM University held on 21.03.2016.

SECOND YEAR

S. No.	Subject Code	Subjects	Internal Assessment				University Exams					Total		Passing	
			Theory		Practical										
			Min Pass Marks	Max Pass Marks	Min Pass Marks	Max Pass Marks	Duration	Min Pass Marks	Max Pass Marks	Min Pass Marks	Max Pass Marks	Theory	Practical	Min	Max
1	BSN 201	Psychology	13	25	NA	NA	3 hrs	38	75	NA	NA	100	NA	50	100
2	BSN 202A	Sociology*	13	25	NA	NA	3 hrs	38	75	NA	NA	100	NA	50	100
3	BSN 203	Pharmacology Pathology and Genetics	13	25	NA	NA	3 hrs	38	75	NA	NA	100	NA	50	100
4	BSN 204A	Medical Surgical * Nursing (adult including geriatrics)-I	13	25	50	100	3 hrs	38	75	50	100	100	200	150	300
5	BSN 205A	Community * Health Nursing–I	13	25	NA	NA	3 hrs	38	75	NA	NA	100	NA	50	100
6	BSN 206	Communication and Educational Technology	13	25	NA	NA	3 hrs	38	75	NA	NA	100	NA	50	100

- The Amendment of syllabus & marks distribution in the subjects are made and the same are implemented for the candidates prospectively from the Academic year 2016-17.
- As per INC Notification dated 01.07.2015 to include compulsory Environmental Study Course at Under Graduate Level and the same approved in 31st academic Council Meeting of SRM University held on 21.03.2016.

THIRD YEAR

S. No.	Subject code	Subjects	Internal Assessment				University Exams					Total		Passing	
			Theory		Practical			Min		Min					
			Min Pass Marks	Max Pass Marks	Min Pass Marks	Max Pass Marks	Duration	Min Pass Marks	Max Pass Marks	Min Pass Marks	Max Pass Marks	Theory	Practical	Min	Max
1	BSN 301	Medical Surgical Nursing (adult including geriatrics)-II	13	25	25	50	3 hrs	38	75	25	50	100	100	100	200
2	BSN 302	Child Health Nursing	13	25	25	50	3 hrs	38	75	25	50	100	100	100	200
3	BSN 303	Mental Health Nursing	13	25	25	50	3 hrs	38	75	25	50	100	100	100	200
4	BSN 304	* Nursing Research and Statistics	13	25	NA	NA	3 hrs	38	75	NA	NA	100	NA	50	100

- The Amendment of syllabus & marks distribution in the subjects are made and the same are implemented for the candidates prospectively from the Academic year 2016-17.
- As per INC Notification dated 01.07.2015 to include compulsory Environmental Study Course at Under Graduate Level and the same approved in 31st academic Council Meeting of SRM University held on 21.03.2016.

FOURTH YEAR

S. No.	Subject Code	Subjects	Internal Assessment				University Exams					Total		Passing	
			Theory		Practical			Theory		Practical					
			Min Pass Marks	Max Pass Marks	Min Pass Marks	Max Pass Marks	Duration	Min Pass Marks	Max Pass Marks	Min Pass Marks	Max Pass Marks	Theory	Practical	Min	Max
1	BSN 401	Midwifery and Obstetrical Nursing	13	25	25	50	3 hrs	38	75	25	50	100	100	100	200
2	BSN 402A	Community Health Nursing – II *	13	25	25	50	3 hrs	38	75	25	50	100	100	100	200
3	BSN 403A	Management of Nursing Services and Education *	13	25	NA	NA	3 hrs	38	75	NA	NA	100	NA	50	100

- The Amendment of syllabus & marks distribution in the subjects are made and the same are implemented for the candidates prospectively from the Academic year 2016-17.
- As per INC Notification dated 01.07.2015 to include compulsory Environmental Study Course at Under Graduate Level and the same approved in 31st academic Council Meeting of SRM University held on 21.03.2016.

Note

1. Nursing Research and Statistics- Nursing Research should be of 50 marks and Statistics of 25 marks
2. Theory & Practical exams for Introduction to Computers to be conducted as college exam and marks to be sent to university for inclusion in the mark sheet
3. Maximum period to complete the course successfully should not exceed 8 years
4. Maximum number of candidates for practical examination should not exceed 20 per day
5. All practical examinations must be held in the respective clinical areas
6. One internal and one external examiner should jointly conduct practical examination for each student
7. An examiner should be a lecturer or above in the college of nursing with M.Sc (N) in concerned subject and minimum of 3 years of teaching experience. To be an examiner for nursing foundation course faculty having M.Sc. (N) with any specialty shall be considered.

Question Paper pattern for University Exam

1. Pattern I for 75 Marks

Part A = 30 Marks (2 X 15 = 30 Marks)

Answer ALL Questions
1.
2.

Part B = 25 Marks (5 X 5 = 25 Marks)

Write short notes on ANY FIVE of the following
3.
4.
5.
6.
7.
8.

Part C = 20 Marks(10 X 2 = 20 Marks)

Answer ALL Questions
9.
10.
11.
12.
13.
14.
15.
16.
17.
18.

2. Pattern II for 75 Marks

B.Sc(N) I Year (Subject – EnglishBSN 101**)**
Answer ALL Questions

Part A = 30 Marks (10 X 3 = 30 Marks)
1.
2.
3.
4.
5.
6.
7.
8.
9.
10.

Part B = 45 Marks (3 X 15 = 45 Marks)

11.
12.
13.

3. Pattern III for 35 Marks

Part A = 15Marks (1 X 15 = 15 Marks)

Answer ALL Questions
1.

Part B = 10 Marks (2 X 5 = 10 Marks)

Answer ANY TWO Questions
2.
3.
4.

PART C = 10 Marks (5 X 2 = 10 Marks)

Answer ALL Questions

5.
6.
7.
8.
9.

4. Pattern IV for grouping of subjects

B.Sc(N) II Year (Subject – Pharmacology , Pathology & GeneticsBSN 203**)**

Part A

Pharmacology (35Marks)

1.(1X 15= 15 Marks)
2.(2 X 5= 10 Marks)
3. (5 X 2= 10 Marks)

Part B

Pathology(26 Marks)

1.(1X 15= 15 Marks)
2.(1 X 5= 5 Marks)
3. (2 X 3= 6 Marks)

Part C

Genetics (14 Marks)

1.(2 X 5= 10 Marks)
2.(2 X 2 = 4 Marks)

SYLLABUS
ENGLISH

Subject Code:BSN 101 **Placement: I year** **Theory: 60 hours**

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

Learning Objectives:
- Speak and write grammatically correct English
- Develop ability to read understand and express meaningfully the prescribed text
- Develop writing skills
- Develop skill in spoken English
- Develop skill in listening comprehension

Unit I: CONTENT
- Review of Grammar
- Remedial study of Grammar
- Building Vocabulary
- Phonetics
- Public Speaking

Unit II: Read and comprehend prescribed course books

Unit III: Various forms of composition
- Letter writing
- Note taking
- Précis writing
- Nurses notes
- Anecdotal records
- Diary writing
- Reports on health problems etc.
- Resume / CV

Unit IV: Spoken English
- Oral report
- Discussion
- Debate

- Telephonic conversation

Unit V: Listening Comprehension

- Media, audio, Video, speeches etc.

Bibliography:

1. Wren & Martin,"High School English Grammar& Composition",Chand& Company LTD, New Delhi, 2009.
2. Shama& Rakesh Lohumi,"English For Nurses", 2nd Edition, Reed Elsevier India Pvt. Ltd, New Delhi, 2015.
3. O. Abootty, "Funny side of English", Pustak Mahal Publishers, New Delhi, 2014.
4. "An English Course Book", 2nd Edition, Vetri Offset, Chennai, 2010.
5. Virginia Allum& Patricia McGarr,"Cambridge English for Nursing", Cambridge University Press, New Delhi, 2009.
6. "Super English Course",Sabhari Education Pvt. Ltd., Madras, 2003.
7. GeethanjaliRajan& Usha Jesudasan,"Practical English for Nurses", Oxford University Press, New Delhi, 2015.
8. "Teaching of English", National Council of Educational Research and Training, Bangalore, 2006. Web.
9. Lourdusamy&Jenniffer,"Blast English to all", Jesus Publications, Erode, 2012. Print.
10. Liza Sharma, "English For Nurses", CBS Publishers & Distributors Pvt Ltd., New Delhi, 2016. Print.

ANATOMY

Subject Code: BSN 102 Placement: I year Theory – 60 Hours Practical-15 Hours

Course Description:

The Course is designed to enable students to acquire knowledge of the normal structure of various human body systems and understand the alterations in anatomical structures in disease and practice of nursing.

Learning Objectives:

-Describe the anatomical terms, organization of human body and structure of cell, tissues, membranes and glands

-Describe the structure and function of bones and joints

-Describe the structure and function of muscles

-Describe the structure and function of nervous system
-Explain the structure and functions of sensory organs
-Describe the structure and function of circulatory and lymphatic system
-Describe the structure and functions of respiratory system
-Describe the structure and functions of digestive system
-Describe the structure and functions of excretory system
-Describe the structure and functions of reproductive system

CONTENT

Unit I: Introduction to Anatomical terms organization of the body

- Human Cell structure
- Tissues – Definition, Types, Characteristics, classification location, functions and formation
- Membranes and glands – classification and structure
- Alterations in disease
- Applications and implications in nursing

Unit II: The Skeletal System

- Bones – types, structure, Axial & Appendicular Skeleton
- Bone formation and growth
- Description of bones
- Joints – Classification and structure
- Alterations in disease
- Applications and implications in nursing

Unit III:The Muscular System

- Types and structure of muscles
- Muscle groups
- Alterations in disease
- Applications and implications in nursing

Unit IV: The Nervous System

- Structure of neurologia and neurons
- Somatic Nervous system
- Structure and function of brain, cranial nerves, spinal nerves
- Autonomic Nervous System
- Structure, location
- Alterations in disease
- Applications and implications in nursing

Unit V: The Sensory Organs

- Structure of skin, eye, ear, nose, tongue, (Auditory and olfactoryapparatus)
- Alterations in disease
- Applications in nursing and implications for nursing

Unit VI: Circulatory and lymphatic system

The Circulatory System

- Blood – Microscopic structure
- Structure of Heart
- Structure of blood vessels –Arterial and Venous System
- Circulation; systemic, pulmonary, coronary

The Lymphatic system

- Lymphatic vessels and lymph
- Lymphatic tissues
- Thymus gland
- Lymph nodes
- Spleen
- Lymphatic nodules
- Alterations in disease
- Applications and implications in nursing

Unit VII:The Respiratory System

- Structure of the organs of respiration
- Muscles of respiration: Intercostals and Diaphragm
- Alterations in disease
- Applications and implications in nursing

Unit VIII:The Digestive System

- Structure of Alimentary tract
- and accessory organs of digestion
- Alteration in disease
- Applications and implications in nursing

Unit IX:The Excretory System

- Structure of organs of urinary system: Kidney, ureters, urinary bladder, urethra, structure of skin
- Alterations in disease
- Applications and implications in nursing

Unit X: The Endocrine System

- Structure of Pituitary, Pancreas, thyroid, parathyroid, thymus and adrenal glands
- Alterations in disease
- Applications and implications in nursing

Unit XI: The Reproductive system

- Structure of female reproductive organs
- Structure of male reproductive organs
- Structure of breast
- Alterations in disease
- Applications and implications in nursing

METHOD OF TEACHING

-Lecture

-Demonstration with teaching aid such as

1. Slides and Film
2. Skeleton
3. Charts
4. Models
5. Dissected specimens
6. Museum specimens

METHOD OF EVALUATION

-Written test

REFERENCES:

1. Sampathmadhyastha 2007, "Manipal manual of Anatomy",2nd Edition,CBS Publishers and Distributors, New Delhi.
2. P.Sreedevi2008, "Fundamental aspects of Anatomy", 1st Edition, CBS Publishers , Chennai.
3. Inderbir Singh 2003, "Essentials of Anatomy", 1st Edition,Jaypee Brothers,New Delhi.
4. Dr.Periu Chauhan 2012, "Anatomy", 1st Edition,A Vichal Publishing Company,NewDelhi.
5. Neeraj Agrawal 2012, "Anatomy and Physiology Health Education", 1st Edition Elsevier Publication, New Delhi.
6. Saraswathi 2009, "Handbook of Anatomy for Nurses", 1st edition, Jaypee Brothers,New Delhi.

7. Mehabar Singh "Manipal Manual of Anatomy" CBS Publishers, Chennai.
8. Roger Watson, "Anatomy and Physiology for Nurses", 13th Edition, Elsevier Publication.
9. Anand, "Human Anatomy And Physiology For Nursing And Allied Science", 2nd Edition, Jaypee Brothers,New Delhi.
10. P R Ashalatha 2009, "Texbook Of Anatomy & Physiology For Nurses", Jay kay publications.

PHYSIOLOGY

Subject Code :BSN 103 Placement: I year Theory: 60 Hours
Practical:15 Hours

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

Learning Objectives:
-Describe the physiology of cell, tissues, membranes and glands
-Describe the bone formation and growth and movements of skeleton system
-Describe the muscle movements and tone and demonstrate muscle contraction and tone
-Describe the physiology of nerve stimulus, reflexes, brain, cranial and spinal nerves
-Demonstrate reflex action and stimulus
-Describe the physiology of blood and functions of Heart
-Demonstrate blood cell count, coagulation, grouping, Hb: BP and Pulse monitoring
-Describe the physiology and mechanisms of respiration
-Demonstrates spirometry
-Describes the physiology of digestive system
-Demonstrates BMR
-Describe the physiology of excretory system
-Describe the physiology of endocrine glands
-Describe the physiology of male and female reproductive system
-Describe the physiology of Lymphatic and Immunological System

CONTENT
Unit I: Cell Physiology
- Tissue-formation, repair

- Membranes and glands – functions
- Alternations in disease
- Applications and implications in nursing

Unit II: Skeletal System

- Bone formation and growth
- Bones – Functions and movements of bones of axial and appendicular skeleton, bone healing
- Alterations in disease
- Applications and implications in nursing

Unit III: Muscular System

- Muscle movements, Muscle tone, Physiology of muscle contraction, levels and maintenance of posture
- Alteration in disease
- Applications and implications in nursing

Unit IV: Nervous System

- Functions of Neuroglia and neurons
- Stimulus and nerve-impulse-definitions and mechanism
- Functions of brain, spinal cord, cranial and spinal nerves
- Cerebrospinal fluid-composition, circulation and function
- Reflex arc, Reflex action and reflexes
- Autonomic functions
- Pain: somatic, visceral, and referred
- Autonomic learning and biofeedback
- Alterations in disease
- Application and implications in nursing

Unit V: Circulatory System

- Blood formation, composition, blood groups, blood coagulation
- Hemoglobin: structure, Synthesis and breakdown, Variation of
- molecules, estimation
- Functions of Heart, Conduction, Cardiac cycle, circulation-Principles, Control, factors influencing BP and Pulse
- Alterations in disease
- Application and implication in nursing

Unit VI: The Respiratory System

- Functions of respiratory organs

- Physiology of respiration
- Pulmonary ventilation, Volume
- Mechanics of respiration
- Gaseous exchange in lungs
- Carriage of oxygen and Carbon-dioxide
- Exchange of gases in tissues
- Regulation of respiration
- Alteration in disease
- Applications and implications in nursing

Unit VII: The Digestive System

- Functions of organs of digestive tract. Movements of alimentary tract. Composition of food, Digestion in mouth, stomach, small intestines, Large intestines, Absorption of food. Functions of liver, gall bladder and pancreas
- Metabolism of carbohydrate, protein and fat

Unit VIII: The Excretory System

- Functions of kidneys, ureters, urinary bladder &urethra
- Composition of urine
- Mechanism of urine formation
- Functions of skin
- Regulation of body temperature
- Fluid and electrolyte balance
- Alterations in disease
- Applications and implications in nursing

Unit IX: The Sensory organs

- Functions of skin, eye ear, nose, tongue,
- Alterations in disease
- Applications and implications in nursing

Unit X:The Endocrine System

- Functions of Pituitary, pineal body, thymus, Thyroid, Parathyroid, pancreas, suprarenal, Placenta, ovaries and Testes
- Alterations in disease
- Applications and implications in nursing

Unit XI:The Reproductive System

- Reproduction of cells – DNA, Mitosis, Meiosis, spermatogenesis, oogenesis

- Functions of female reproductive organs; Functions of breast, Female sexual cycle

- Introduction to embryology
- Functions of male reproductive organs, Male function in reproduction, Male fertility system
  -Alterations in disease
  -Applications and implications in nursing

Unit – XII:Lymphatic and Immunological System

- Circulation of lymph
- Immunity
  -Formation of T-cells and B-cells
  -Types of Immune response
  -Antigens
  -Cytokines
  -Antibodies

Suggested Practical's& Demonstrations:

1. Preparation of slides – Total and differential count
2. Estimation of haemoglobin, bleeding time and clotting time
3. Observation in physiology of contraction of heart on frog
4. Blood grouping
5. ESR
6. Identification of blood cells under microscope
7. Determination of blood pressure
8. Exercise tolerance test
9. Determination of vital capacity
10. Examination of reflexes and motor and sensory functions
11. Tests for vision, hearing, taste and smell

METHOD OF TEACHING

- Lecture
- Lecture discussion
- Observation
- Maintenance of record book
- Dissection and Assignment

METHOD OF EVALUATION

- Record book

- Practical, oral and written tests

REFERENCES:

1. Basak A K. (2012),"Physiology made Easy",1st Edition, New Central book Agency.
2. Bijlani R L. (2001),"A text book for Nursing Students", 1st Edition, Jaypee brothers.
3. BinduMadala., Raju. S .M. (2004),"Physiology for Nurses",1st Edition, Jaypee brothers.
4. Geetha.N. (2014),"Text book for Nursing Students",1st Edition, Jaypee brothers.
5. Sudhakar H. H &Venkatesh. D. (2010),"Basics of Medical physiology for Nursing Students",1st Edition, Wolters Kluwer.
6. Asha Latha.P.R., Deepa. G. (2012),"Text book of Anatomy & Physiology for Nurses",3rd Edition, Jaypee Brothers Medical publishing Pvt Ltd.
7. Anne.W., Allison.G. (2014),"Ross & Wilson Anatomy & Physiology in Health and Illness",12th Edition, Churchill Livingstone.
8. Jain.A.K.(2014), "Physiology for B.Sc (N)", 6th Edition, Archal Publishing company.
9. John Campbell's. (2006),"Campbell's Physiology Notes for Nurses", Wiley.
10. Sembulingam. K., &Prema.S. (2016),"Essentials of Medical Physiology", 7th Edition, Jaypee brothers
11. Shekar C N C. (2017),"Manipal Manual Of Medical Physiology",CBS Publication.
12. Susan.M., Roger.W., Rosamund H. (2005),"Physiology for Nursing Practice",3rd Edition, Bailièrre Tindall.

NUTRITION

Subject Code: BSN 104APlacement: I year **Theory: 45 Hours**
Practical:15 Hours

Course Description:

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

Learning Objectives

-Describe the relation between nutrition & Health care.

-Describe the classification, functions, sources and recommended daily allowances (RDA) of carbohydrates.

-Describe the classification, functions, sources and recommended daily allowances (RDA) of Fats.
-Describe the classification, functions, sources and recommended daily allowances (RDA) of Proteins.
-Describe the daily calorie requirement for different categories of people.
-Describe the classification, functions, sources and recommended daily allowances (RDA) of Vitamins.
-Describe the classification, functions, sources and recommended daily allowances (RDA) of Minerals.
-Describe the sources, functions and requirements of Water & electrolytes
-Describe the Cookery rules and preservation of nutrients.
-Prepare and serve simple beverages and different types of foods.
-Describe and plan balanced diet for different categories of people.
-Describe various national programmes related to nutrition.
-Describe the role of nurse in assessment of nutritional status and nutrition education.

CONTENT

Unit I: Introduction

-NutritionHistoryConcepts
-Role of nutrition in maintaining health
-Nutritional problems in India
-National nutritional policy
-Factors affecting food and nutrition: socio-economic, cultural, tradition, production, system of distribution, life style and food habits etc.
-Food resources: World food problems, changes caused by agriculture and overgrazing,effects of modern agriculture, fertilizer-pesticide problems, water logging,salinity,case studies.
- Role of food and its medicinal value
- Classification of foods
- Food standards
- Elements of nutrition: macro ad micro
-Calorie, BMR

Unit II: Carbohydrates

Classification -
Caloric value
Recommended daily allowances
Dietary sources.
Functions

Digestion, absorption and storage, metabolism of carbohydrates
Mal nutrition; Deficiencies and over consumption

Unit III:Fats
Classification
Caloric Value
Recommended daily allowances
Dietary sources.
Functions.
Digestion, absorption and storage, metabolism
Malnutrition; Deficiencies and over consumption

Unit IV: Proteins
Classification
Caloric value
Recommended daily allowances
Dietary sources
Functions
Digestion, absorption, metabolism and storage
Mal nutrition; Deficiencies and over consumption

Unit V:Energy
Unit of Energy – Kcal
Energy requirements of different categories of people
Measurements of energy
Body Mass Index (BMI) and basic metabolism
Basal Metabolic Rate (BMR) – determination and factors affecting.

Unit VI: Vitamins
Classification
Recommended daily allowances
Dietary sources
Functions
Absorption, Synthesis, metabolism storage and excretion
Deficiencies
Hypervitaminosis

Unit VII:Minerals
Classification
Recommended daily allowances
Dietary sources.

Functions
Absorption, synthesis, metabolism storage and excretion
Deficiencies
Over consumption and toxicity

Unit VIII:Water & electrolytes

Water: Daily requirement, regulation of water metabolism, distribution of body water
Electrolytes: Types, sources, composition of body fluids
Maintenance of fluid & electrolyte balance
Over hydration, dehydration and water intoxication
Electrolyte imbalances.

Unit IX:Cookery rules and preservation of nutrients

Principles, methods of cooking and serving
Preservation of nutrients
Safe Food handling – toxicity
Storage of food
Food preservation, food additives and its principles
Preparation of simple beverages and different types of food.

Unit X: Balanced diet

Elements
Food groups
Recommended Daily Allowance
Nutritive value of foods
Calculation of balanced diet for different categories of people
Planning menu
Budgeting of food.
Introduction to therapeutic diets; Naturopathy - diet

Unit XI: Role of nurse in nutritional programmes

- National Programmes related to nutrition
- Vitamin A deficiency programme
- National iodine deficiency disorders (IDD) programme
- Mid-day meal programme
- Integrated child development scheme (ICDS)
- National and International agencies working towards food/nutrition
- NIPCCD, CARE, FAO, NIN, CFTRI (Central food technology and Research Institute) etc.

- Prevention of food adulteration Act (PFA)
- Assessment of nutritional status
- Nutrition education and role of nurse.
- Suggested Practicals
- Calculation of won energy requirement
- Visit to local market to determine the prices of various foods
- Preparation of posters, depicting food sources for energy protein, iron, calcium and vitamins
- Introduction to cookery – methods of measuring ingredients
- Preparation of various recipes using the different food groups and calculating the cost and nutritive value
- Cereals, pulses, vegetables, fruits, flesh foods, eggs and milk
- Preparation of weaning foods
- Use and preparations of
- Clear fluids
- Full fluids
- Soft solids
- Menu planning, preparation and serving for small and large groups
- Average family
- Hostel mess
- Demonstration of preservation of food
- Nutritional assessment
- Anthropometry
- Diet surveys
- Field visit to hostel mess and dining room hospital dietetics department, mid-day meal programme and a food preservation unit.
- Method of teaching: Lecture with discussion
- Cooking and demonstration
- Field visits

Method of Evaluation

- Written test
- Assignments
- Practical and Oral test

REFERENCES:

1. Molly Sam, N. Geetha, "A Textbook of Nutrition for Nurses", Jaypee Brothers Medical Publishers, April 20, 2004.
2. T.K.Indran, "Nursing manual of Nutrition and Therapeutic diet",Jaypee Brothers Medical Publishers (P) Ltd,2012.
3. Darshan sohi , "Elements of Nutrition(Exclusive for GNM Students)", Pee Vee 2014.
4. Darshan sohi, "A comprehensive text book of Nutrition and Therapeutic diet-For B.sc and Post basic", Jay pee Brothers medical publishers ,2013.
5. B.Srilakshmi, "Human Nutrition" New age International Publishers, 2nd Edition.
6. Monica Sharma, "Text book of Nutrition", College book sellers, 1st Edition-2017.
7. DC Sharma, Devarshi Sharma, "Nutritional Biochemistry", College book sellers, 2015.
8. Mann, Jim, and A. Stewart. Truswell. "Essentials of Human Nutrition", Oxford UP, 2007. Print.
9. "Human Nutrition", Geelong, Vic.: Deakin U, 2003. Print.
10. C.Gopalan, "Nutritive value of Indian foods",New age International publisher.

BIOCHEMISTRY

Subject Code :BSN 105Placement: I year **Theory: 30 Hours**
Practical:15 Hours

Course Description:

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

Objective:

-Describe the structure Composition and functions of cell
-Differentiate between Prokaryote and Eukaryote cell
-Identify techniques of Microscopy
-Describe the Structure and functions of Cell membrane
-Explain the metabolism of carbohydrates
-Explain the metabolism of Lipids
-Explain the metabolism of Amino acids and Proteins
-Describe types, composition and utilization of Vitamins and minerals
-Describe Immunochemistry

CONTENT

Unit I:Introduction

- Definition and significance in nursing
- Review of structure, Composition and functions of cell
- Prokaryote and Eukaryote cell organization
- Microscopy

Unit II:Structure and functions of Cell membrane

- Fluid mosaic model tight junction, Cytoskeleton
- Transport mechanism: diffusion, osmosis, filtration, active channel, sodium Pump
- Acid base balance – maintenance & diagnostic tests
- PH buffers

Unit III: Composition and metabolism Carbohydrates

- Types, structure, composition and uses
- Monosaccharides,Disaccharides,polysaccharides, Oligosaccharides
- Metabolism
- Pathways of glucose
- Glycolysis
- Gluconeogenesis: Cori's cycle, Tricarboxylic acid (TCA) cycle
- Glycogenolysis
- Pentose phosphate pathways (Hexose mono phosphate)
- Regulation of blood glucose level
- Investigations and their interpretations

Unit IV: Composition and metabolism of Lipids

- Types, structure, composition and uses of fatty acids
- Nomenclature, roles and prostaglandins
- Metabolism of fatty acid
- Breakdown
- Synthesis
- Metabolism of triacylglycerols
- Cholesterol metabolism
- Biosynthesis and its Regulation
- Bile salts and bilirubin
- Vitamin D
- Steroid hormones
- Lipoproteins and the functions

- VLDLs- IDLs, LDLs and HDLs
- Transport of lipids
- Atherosclerosis
- Investigations and their interpretations

Unit V: Composition and metabolism of Amino acids and Proteins

- Types, structure, composition and uses of Amino acids and Proteins
- Metabolism of Amino acids and Proteins
- Protein synthesis, targeting and glycosylation
- Chromatography
- Electrophoresis
- Sequencing
- Metabolism of Nitrogen
- Fixation and Assimilation
- Urea Cycle
- Hemes and chlorophylls
- Enzymes and co-enzymes
- Classification
- Properties
- Kinetics and inhibition
- Control
- Investigations and their interpretations

Unit VI:Composition of Vitamins and minerals

- Vitamins and minerals
- Structure
- Classification
- Properties
- Absorption
- Storage and transportation
- Normal concentration
- Investigations and their interpretations

Unit VII: Immuno chemistry

- Immune response
- Structure and classification of immunoglobins
- Mechanism of antibody production
- Antigens: HLA typing
- Free radical and Antioxidants

- Specialised Protein: Collagen, Elastin, Keratin, Myosin, Lens Protein
- Electrophoretic and quantitative determination of immunoglobins
- ELISA etc.
- Investigations and their interpretations

Suggested Practicals:

1. Biochemical analysis of carbohydrates, fats and
2. Biochemical tests blood and urine
3. Observation of laboratory investigations

Method of Teaching:

1. Lecture
2. Demonstrations

Method of Evaluation:

1. Written – External and Internal
2. Oral Practical tests

REFERENCES:

1. G.Rajagopal "Concise textbook of Biochemistry", Ahuja Publishing house, 3rd Edition, 2013.
2. Harbans Lal, "Biochemistry for B.Sc nursing students", CBS publishers,2ndEdition, 2010.
3. Manjula shantaram " Biochemistry and Nutrition", JP publishers (P) ltd, 1stEdition, 2011.
4. MN Chatterjea "Textbook of Biochemistry", JP Publications (P) ltd, 3rdEdition,2009.
5. P.Ramamoorthy "Textbook of Biochemistry for paramedical students" JP publishers (P) ltd, 1stEdition, 2015.
6. Shivananda Nayak B "Handbook of Biochemistry and Nutrition for nursing and allied health students", JP Publications (P) ltd, 3rd Edition,2015
7. Dr.S.Ramakrishnan "Basics in Biochemistry" for professional nursing" JP Publications (P) ltd, 1stEdition,2007.
8. Dr.SS Randhawa "Examination master in Biochemistry" S.Vikas and company publishers,1st Edition, 2012.
9. Dr.SS Randhawa "A textbook of Medical Biochemistry" S.Vikas and company publishers, 1stEdition, 2013.
10. Uma Bhardwaj "Biochemistry for Nurses, Dorling Kindersley Pvt ltd ,1stEdition, 2012.

NURSING FOUNDATIONS

Subject Code : BSN106A **Theory: 265 hours**
Placement: First Year **Practical: 650 hours**

Course Description:

This course is designed to help the students to develop and understanding of the philosophy, objective, theories and process of nursing in various supervised settings. It is aimed at helping the students to acquire knowledge, understanding and skills in techniques of nursing and practice them in supervised Clinical settings

Learning Objective:

- Describe the concept of health, illness and health care agencies
- Explain concept and scope of nursing
  Describe values, code of ethics and professional conduct for nurses in India
- Explain the admission and discharge procedure
- Performs admission and discharge procedure
- Explain the concept, uses, format and steps of nursing process
- Documents nursing process as per the format
- Communicate effectively with patient, families and team members and maintain effective human relations (projecting professional image)
- Appreciate the importance of patient teaching in nursing.
- Describe the purposes, types and techniques of recording and reporting
- Describe principles and techniques of monitoring and maintaining vital signs
- Monitor and maintain vital signs
- Describe purpose and process of health assessment
- Describe the health assessment of each body system
- Perform health assessment of each body system
- Identifies the various machinery equipment and linen and their care
- Describe the basic, physiological and psychosocial needs of patient
- Describe the principles and techniques for meeting basic, physiological and - psychosocial needs of patient
- Perform nursing assessment, plan implement and evaluate the care for meeting basic physiological and psychosocial needs of patient
- Describe principles and techniques for infection control and biomedical waste management in Supervised Clinical setting
- Describe the pre and post operative care of patients
- Explain the process of wound healing
- Explain the principles and techniques of wound care
- Perform care of wounds
- Explain the principles, routes, effects of administration of medications

- Calculate conversions of drugs and dosages within and between systems of measurements
- Administer drugs by the following routes-oral, Intradermal, subcutaneous, Intra muscular, Intra Venous topical, inhalation
- Explain care of patients having alterations in body functioning
- Explain care of terminally ill patient
- Explain the basic concepts of conceptual and theoretical models of nursing

CONTENT

Unit I:Introduction

- Concept of Health: Health – illness continuum
- Factors influencing health
- Causes and risk factors for developing illness
- Body defenses: Immunity and immunization
- Illness and Illness Behaviour:
- Impact of illness on patient and family
- Health care services: Health Promotion and Prevention, Primary Care, Diagnosis and Treatment Rehabilitation, Continuing Care
- Health care teams
- Types of health care agencies
- Hospitals: Types, Organisation and Function
- Health Promotion and Levels of Disease Prevention
- Primary health care and its delivery: Role of nursing

Unit II: Nursing as a profession

- Definition and characteristics of a profession.
- Nursing
- Definition, Concepts, philosophy, objectives
- Characteristics, nature and scope of practice
- Functions of nurse
- Qualities of a nurse
- Categories of nursing personnel
- Values: Definition, Types, Values Clarification and values in professional
- Nursing: Caring and Advocacy
- Ethics:
- Definition and Ethical Principles
- Code of ethics and professional conduct for nurses
- History of nursing in India

Unit III:Hospital admission and discharge

- Admission to the hospital
- Unit and its preparation - admission bed
- Admission procedure
- Special considerations
- Medico – legal issues
- Roles and Responsibilities of the nurse
- Discharge from the hospital
- Discharge procedure
- Special considerations
- Medico – legal issues
- Roles and Responsibilities of the nurse
- Care of the unit after discharge

Unit IV: Communication and Nurse patient relationship

- Communication: Levels, Elements, Types, Modes, Process, Factors influencing Communication
- Methods of Effective Communication
- Attending skills
- Rapport building skills
- Empathy skills
- Barriers to effective communication
- Helping Relationships (NPR): Dimensions of Helping Relationships, Phases of a helping relationship
- Communicating effectively with patient, families and team members and maintain effective human relations with special reference to communicating with vulnerable group (children, women, handicapped and elderly)
- Patient Teaching: Importance, Purposes, Process, role of nurse and Integrating teaching in Nursing Process

Unit V:The Nursing Process

- Critical Thinking and Nursing Judgement
- Critical Thinking: Thinking and Learning
- Competencies, Attitudes for Critical Thinking, Levels of critical thinking in Nursing
- Nursing Process Overview: Application in Practice

Nursing process format: INC, current format Assessment

- Collection of Data: Types, Sources, Methods

- Formulating Nursing Judgment: Data interpretation

Nursing diagnosis
- Identification of client problems
- Nursing diagnosis statement
- Difference between medical and nursing diagnosis

Planning
- Establishing Priorities
- Establishing Goals and Expected Outcomes
- Selection of interventions: Protocols and standing Orders
- Writing the Nursing Care Plan Implementation
  Implementing the plan of care Evaluation
- Out come of care
- Review and Modify
- Documentation and Reporting

Unit VI:Documentation and Reporting
- Documentation: Purposes of Recording and reporting
- Communication within the Health Care Team,
- Types of records; ward records, medical/nursing records
- Common Record-keeping forms, Computerized documentation
- Guidelines for Reporting: Factual Basis, Accuracy, Completeness, currentness, Organization, confidentiality
- Methods of Recording,
- Reporting: Change of shift reports: Transfer reports, Incident reports
- Minimizing legal Liability through effective record keeping

Unit VII:Vital Signs
- Guidelines for taking vital signs
- Body temperature
- Physiology, Regulation, Factors affecting body temperature,
- Assessment of body temperature: sites, equipments and technique, special considerations
- Temperature alterations: Hyperthermia, Heatstroke, Hypothermia
- Hot and cold applications
- Pulse
- Physiology and Regulation, Characteristics of the pulse, Factors affecting pulse

- Assessment of pulse: sites, location, equipments and technique, special considerations
- Alterations in pulse:
- Respiration:
- Physiology and Regulation, Mechanics of breathing Characteristics of the respiration, Factors affecting respiration
- Assessment of respirations: technique, special considerations
- Alterations in respiration
- Blood pressure:
- Physiology and Regulation, Characteristics of the blood pressure, Factors affecting blood pressure
- Assessment of blood pressure: sites, equipments and technique, special considerations
- Alterations in blood pressure
- Recording of vital signs

Unit VIII: Health assessment

- Purposes
- Process of Health assessment
- Health history
- Physical examination:
- Methods-Inspection, Palpation, Percussion, auscultation, Olfaction
- Preparation for examination: patient and unit
- General assessment
- Assessment of each body system
- Recording of health assessment

Unit IX:Machinery, Equipment and linen

- Types: Disposables and reusables-Linen, rubber goods, glass ware, metal, plastics, furniture, machinery
- Introduction
- Indent
- Maintenance
- Inventory

Unit X:Meeting needs of patient

- Basic needs (Activities of daily living)
- Providing safe and clean environment

- Physical-environment: Temperature, Humidity, Noise, Ventilation, light, Odour, pests control
- Reduction of Physical hazards: fire, accidents
- Safety devices: Restraints, side rails, airways, trapez etc.
- Role of nurse in providing safe and clean environment
- Hygiene
- Factors influencing Hygienic Practice
- Hygienic care: Care of the skin-Bath and pressure points, feet and nail, Oral cavity, Hair Care, Eyes, Ears and Nose
- Assessment, Principles, Types, Equipments, Procedure, Special Considerations
- Patient environment: Room Equipment and linen making patient beds
- Types of beds and bed making
- Comfort:-
- Factors Influencing Comfort
- Comfort devices
- Physiological needs
- Sleep and Rest:
- Physiology of sleep
- Factors affecting sleep
- Promoting Rest and Sleep
- Sleep Disorders
- Nutrition
- Importance
- Factors affecting nutritional needs
- Assessments of nutritional needs: Variables
- Meeting Nutritional needs: Principles, equipments, procedure and special considerations
- Oral
- Enteral: Naso/Orogastric, gastrostomy
- Parenteral
- Urinary Elimination
- Review of Physiology of Urine Elimination, composition and characteristics of urine
- Factors influencing Urination
- Alteration in Urinary Elimination
- Types and Collection of urine specimen: Observation, urine testing

- Facilitating urine elimination: assessment, type, equipments, procedures and special considerations
- Providing urinal/bed pan
- Condom catheter
- Perineal care
- Catheterization
- Care of urinary drainage
- Care of urinary diversions
- Bladder irrigation
- Bowel Elimination
- Review of Physiology of Bowel Elimination, Composition and characteristics of faeces
- Factors affecting Bowel elimination
- Alteration in Bowel Elimination
- Types and Collection of specimen of faeces: Observation
- Facilitating bowel elimination: assessment, types, equipments procedures and special considerations
- Passing of Flatus tube
- Enemas
- Suppository
- Sitz bath
- Bowel wash
- Care of Ostomies
- Mobility and Immobility
- Principles of Body Mechanics
- Maintenance of normal body Alignment and mobility
- Factors affecting body alignment and mobility
- Hazards associated with immobility
- Alteration in body Alignment and mobility
- Nursing interventions for impaired Body Alignment and Mobility: assessment, types, devices used, methods and special considerations rehabilitation aspects.
- Range of motion exercises
- Maintaining body alignment: Positions
- Moving
- Lifting
- Transferring
- Walking

- Restraints
- Oxygenation
- Review of Cardiovascular and respiratory Physiology
- Factors Affecting Oxygenation
- Alterations in oxygenation
- Nursing interventions in oxygenation: assessment, types, equipment used, procedure and special considerations
- Maintenance of a patent airway
- Oxygen administration
- Suction
- Inhalation; dry and moist
- Chest physiotherapy and postural drainage
- Care of Chest drainage
- Pulse oximetry
- CPR-Basic life support
- Fluid, Electrolyte, and Acid – Base Balances
- Review of Physiological Regulation of Fluid, Electrolyte, and Acid – Base Balances
- Factors Affecting Fluid, Electrolyte, and Acid – Base balances
- Alterations in Fluid, Electrolyte, and Acid – Base Balances
- Nursing interventions in Fluid, Electrolyte and Acid – Base

- Imbalances: assessment, types, equipment, procedure and special considerations
- Measuring fluid intake and output
- Correcting Fluid, Electrolyte Imbalance:
- Replacement of fluids: Oral and Parenteral – Veni puncture, regulating IV Flow rates, changing IV solutions and tubing, Changing IV dressing
- Administering Blood transfusion
- Restriction of fluids
- Psychosocial Needs
- Concepts of Cultural Diversity, Stress and Adaptation, Self –concept, Sexuality, Spiritual Health, Coping with loss, death and grieving
- Assessment of psychosocial needs
- Nursing intervention for psychosocial needs
- Assist with coping and adaptation
- Creating therapeutic environment
- Recreational and diversional therapies

Unit XI: Infection control in Supervised Clinical settings
Infection Control

- Nature of infection
- Chain of infection transmission
- Defenses against infection (natural and acquired)
- Hospital acquired infection (Nosocomial infection)
- Concept of asepsis: medical asepsis, and surgical asepsis
- Isolation precautions (Barrier nursing) :
- Hand washing: simple, hand antisepsis and surgical antisepsis (scrub)
- Isolation: Source and protective
- Personal protecting equipments: types, uses and techniques of wearing and removing
- Decontamination of equipment and unit
- Transportation of infected patients
- Standard safety precautions (Universal precautions)
- Transmission based precautions
- Biomedical waste management
- Importance
- Types of hospital waste
- Hazards associated with hospital waste
- Decontamination of hospital waste
- Segregation and transportation and disposal

Unit – XII:Meeting needs of Perioperative patients

- Definition and concept of perioperative Nursing
- Preoperative Phase
- Preparation of patient for surgery
- Intraoperative
- Operation theatre Set up and environment
- Role of nurse
- Postoperative Phase
- Recovery unit
- Post operative unit
- Post operative care
- Wounds: types, Classifications, wound Healing Process, Factors affectingwound, Complications of Wound Healing
- Surgical asepsis
- Care of the wound: types, equipments, procedure and special considerations

- Dressings, Suture Care, Care of Drainage
- Application of Bandages, Binders, Splints and Slings
- Heat and Cold Therapy

Unit XIII: Administration of Medications General Principles/Considerations

- Purposes of Medication
- Principles: 5 rights, Special Considerations, Prescriptions, Safety in Administering Medications and Medication Errors
- Drug forms
- Routes of administration
- Storage and maintenance of drugs and Nurses responsibility
- Broad classification of drugs
- Therapeutic Effect, Side Effects, Toxic effects, Idiosyncratic Reactions, Allergic Reactions, Drug Tolerance, Drug Interactions,
- Factors Influencing drug Actions
- Systems of Drug Measurement: Metric system, Apothecary System, Household Measurements, Solutions
- Converting Measurements Units: Conversion within one system, Conversion between systems, Dosage Calculation
- Terminologies and abbreviations used in prescriptions of medications
  Oral Drugs Administration: Oral, Sublingual and Buccal: Equipment, Procedure
  Parenteral
- General principles: decontamination and disposal of syringes and needles
- Types of parenteral therapies

- Types of syringes, needles, cannula and infusion sets
- Protection from Needle stick Injuries: Giving Medications with a safety syringes
- Routes of parenteral therapies -Intradermal: purpose, site, equipment, procedure, special consideration
- Subcutaneous: purpose, site, equipment, procedure, special considerations
- Intramuscular: purpose, site, equipment, procedure, special considerations
- Intra venous: purpose, site, equipment, procedure, special considerations
- Advanced techniques: epidural, intrathecal, intraosseous intraperitonial, intrapleural, intraarterial – Role of nurse
- Topical Administration: Purposes, site, equipment, procedure, special considerations for
- Application to skin
- Application to mucous membrane

- Direct application of liquids-Gargle and swabbing the throat
- Insertion of Drug into body cavity: Suppository/medicated packing in rectum/vagina
- Instillations: Ear, Eye, Nasal, Bladder and Rectal
- Irrigations: Eye, Ear, Bladder, Vaginal and Rectal
- Spraying: Nose and throat
- Inhalation: Nasal, oral endotracheal/tracheal (steam, oxygen and medication) – purposes, types, equipment, procedure, special considerations
- Recording and reporting of medications administered

Unit XIV:Meeting special needs of the patient

- Care of patients having alteration in
- Temperature (hyper and hypothermia): Types, Assessment, Management
- Sensorium (Unconsciousness): Assessment, Management
- Urinary Elimination (retention and incontinence): Assessment, Management
- Functioning of sensory organs: (Visual & hearing impairment)
- Assessment of Self-Care ability
- Communication Methods and special considerations
- Mobility (physically challenged, cast) assessment of Self-Care ability: Communication Methods and special considerations
- Mental state (mentally challenged), assessment of Self-Care ability;
- Communication Methods and special considerations
- Respiration (distress): Types, Assessment, Management
- Comfort – (Pain)-Nature, Types, Factors influencing Pain, Coping, Assessment, Management
- Treatments related to gastrointestinal system: naso-gastric suction gastric irrigation, gastric analysis

Unit XV:Care of Terminally ill patient

- Concepts of Loss, Grief, grieving Process
- Signs of clinical death
- Care of dying patient: special considerations
- Advance directives; Euthanasia, will, dying declaration, organ donation.
- Care of dead body: equipment, procedure and care of unit
- Medico legal issues
- Autopsy
- Embalming

Unit XVI:Professional Nursing concepts and practice

- Conceptual and theoretical models of nursing practice: Introduction to models-holistic model, health belief model, health promotion model etc.

- Theories in Nursing; Peplau's Henderson's Orem's, Neuman's Roger's and Roy's
- Linking theories with nursing process

Methods of Teaching

1. Lecture and Discussion
2. Demonstration
3. Role Play
4. Field trips
5. Clinical Practice

Methods of Evaluation

1. Written assignments
2. Written and practical exams
3. Quiz
4. Clinical practice record

Bibliography

1. Rebecca Nissanka(2016),"Comprehensive Textbook Of Foundation Of Nursing", 1st Edition,Jaypee Brothers Publication.
2. Vimal D Moze,(2017),"Essentials of Nursing Foundation",1st Edition, Jaypee Brothers Publication.
3. Helen Harkreader Mary, Ann Hogan MarsshelleThobaben(2007),"Fundamentals of Nursing Caring And clinical judgement", 3rd Edition.
4. Chris Brooker (2017), "Foundations of Nursing Practice Fundamentals of Holistic Care",2nd Edition, Mosby Publication.
5. Christensen Kockrow(2011),"Foundations of Nursing", 6th Edition,Mosby Publication.
6. Mary Sulakshini Immanuel(2014),"Nursing Foundation–Principles and Practices",1st Edition, University Press.
7. Lakhwinder Kaur Maninder Kaur (2010), "Text Book of Nursing Foundation", 1st Edition,Svikas Publication.
8. Potter& Perry's (2013),"Fundamentals of Nursing",8th Edition, ElsevierPublication.
9. Kozier&Erb's(2008),"Fundamentals of Nursing",2nd Edition,Pearson Publication.
10. Carol Taylor, Carol Lillis(2009),"Fundamentals of Nursing",6th Edition, Wolters Kluwer Publication.

NURSING FOUNDATIONS

Practicals **Subject Code: BSN 106A**
Time: 650Hours **Placement: I year**

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

Objectives:

- Performs admission and discharge procedure
- Prepares nursing care plan as per the nursing process format
- Communicate effectively with patient, families and team members and
- Maintain effective human relations
- Develops plan for patient teaching
- Prepare patient reports
- Presents reports
- Monitor vital signs
- Perform health assessment of each body system
- Provide basic nursing care to patients
- Perform infection control procedures
- Provide care to pre and post operative patients
- Perform procedures for care of wounds
- Administer drugs
- Provide care to dying and dead
- Counsel and support relatives

Hospital admission and discharge (III)

- Admission
- Prepare Unit for new patient
- Prepare admission bed
- Performs admission procedure
  - New patient
  - Transfer in
- Prepare patient records

Discharge / transfer out

- Gives discharge counseling
- Perform discharge procedure (Planned discharge, LAMA and abscond, Referrals and transfers)

- Prepare records of discharge/transfer
- Dismantle, and disinfect unit and equipment after discharge/transfer

Perform assessment:
- (History taking, Nursing diagnosis, Problem list, Prioritization, Goals and expected outcomes, selection of interventions
- Write Nursing care plan
- Gives care as per the plan

Communication
- Use verbal and non vernal communication techniques
- Prepare a plan for patient teaching session
- Write patient report
- (Change of shift reports, Transfer reports, Incident reports etc.)
- Presents patient report

Vital signs
- Measure, Records and interpret alterations in body temperature, pulse respirations and blood pressure

Health assessment
- Health history taking
- Perform assessment
  - General
  - Body systems
- Use various methods or physical examination
- Inspection, Palpation, percussion, Auscultation, Olfaction
- Identification of system wise deviations

Prepare Patient's unit
- Prepare beds:
- Open, closed, occupied, operation, amputation
- Cardiac, fracture, burn, Divided and Fowlers bed
- Pain assessment and provision for comfort

Use comfort devices
- Hygienic care:
  - Oral Hygiene:

- Baths and care of pressure points
- Hair wash, pediculosis treatment

Feeding

- Oral, Enternal: Naso/Orogastric, gastrostomy and Parenteral feeding
- Naso-gastric insertion, suction and irrigation

Assisting patient in urinary elimination

- Provides urinal/bed pan
- Condom drainage
- Perineal care
- Catheterization
- Care of urinary drainage

Bladder irrigation

- Assisting bowel Elimination
- Insertion of Flatus tube
- Enemas
- Insertion of Suppository
- Sitz bath
- Bowel wash

Body Alignment and Mobility:

- Range of motion exercises
- Positioning: Recumbent, Lateral (rt/lt), Fowlers, Sims, Lithotomy, Prone,
- Trendlenburg positon
- Assist patient in Moving, lifting, transferring, and walking
- Restraints
- Oxygen Administration
- Suctioning: Oropharyngeal, nasopharyngeal
- Chest Physiotherapy and postural drainage
- Care of Chest drainage
- CPR – Basic life support
- Intravenous therapy
- Blood and blood component therapy
- Collect / assist for collection of specimens for investigations Urine,
- Sputum, faeces, vomitus, blood and other body fluids
- Perform lab tests:
- Urine: sugar, albumin, acetone
- Blood: sugar (with strip / gluco – meter)

- Hot and cold applications:
- Local and general Sitz bath
- Communicating and assisting with self-care of visually
- & hearing impaired patients
- Communicating and assisting with self-care of mentally challenged /
- Disturbed patients
- Recreational and diversional therapies
- Caring of patient with alteration in sensorium

Infection Control (XI)

Perform following procedures

- Hand washing techniques
- (Simple, hand antisepsis and surgical antisepsis (scrub)
- Prepare isolation unit in lab/ward
- Practice technique of wearing and removing Personal protective equipment (PPE).
- Practice Standard safety precautions (Universal precautions)

Decontamination of equipment and unit:

- Surgical asepsis
- Sterilization
- Handling sterilized equipment
- Calculate strengths of lotions
- Prepare lotions
- Care of articles

Pre and post operative care:

- Skin preparation for surgery: Local
- Preparation of Post operative unit
- Pre &Post operative teaching and counseling
- Pre &Post operative Monitoring
- Care of the wound: Dressings, Suture Care, care of Drainage, Application of Bandages, Binders, Splints and Slings
- Bandaging of various body parts
- Administration of medications
- Administer Medication in different forms and routes
- Oral, Sublingual and Buccal
- Parenteral: Intradermal, subcutaneous, Intramuscular etc.

- Assist with Intra Venous medications
- Drug measurements and dose calculations
- Preparation of lotions and solutions
- Administers topical application
- Insertion of drug into body cavity: Suppository & medicated packing etc.
- Instillation of medicines and spray into Ear, Eye, Nose and throat
- Irrigations: Eye, Ear, Bladder, Vagina and Rectum
- Inhalations: dry and moist

Care of dying patient

- Caring and packing of dead body
- Counseling and supporting grieving relatives
- Terminal care of the unit.

Bibliography

1. Rebecca Nissanka(2016),"Comprehensive Textbook Of Foundation Of Nursing", 1st Edition, Jaypee Brothers Publication.
2. Vimal D Moze,(2017),"Essentials of Nursing Foundation",1st Edition, Jaypee Brothers Publication.
3. Helen Harkreader Mary, Ann Hogan Marsshelle Thobaben (2007),"Fundamentals of Nursing Caring And clinical judgement", 3rd Edition.
4. Chris Brooker (2017), "Foundations of Nursing Practice Fundamentals of Holistic Care",2nd Edition, Mosby Publication.
5. Christensen Kockrow(2011),"Foundations of Nursing", 6th Edition,Mosby Publication.
6. Mary Sulakshini Immanuel(2014),"Nursing Foundation–Principles and Practices",1st Edition, University Press.
7. Lakhwinder Kaur Maninder Kaur (2010), "Text Book of Nursing Foundation", 1st Edition, Svikas Publication.
8. Potter& Perry's (2013),"Fundamentals of Nursing",8th Edition, Elsevier Publication.
9. Kozier&Erb's(2008),"Fundamentals of Nursing",2nd Edition, Pearson Publication.
10. Carol Taylor, Carol Lillis(2009),"Fundamentals of Nursing",6th Edition, Wolters Kluwer Publication

MICROBIOLOGY

Subject Code : BSN 107 **Time Theory: 45 Hrs.**
Placement: I Year **Practicals:15 Hrs.**

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

Learning objectives:
- Explain concepts and principles of microbiology and their importance in nursing
- Describe structure classification morphology and growth of bacteria
- Identify Microbiology organisms
- Describe the methods of infection control
- Identify the role of nurse in hospital infection control programme
- Describe the different disease producing organisms
- Explain the concept of immunity, hyper sensitivity and immunization

CONTENT

Unit – I: Introduction
- Importance and relevance to nursing
- Historical perspective
- Concepts and terminology
- Principles of microbiology

Unit – II: General Characteristics of Microbes
- Structure and classification of Microbes
- Morphological types
- Size and form of bacteria
- Motility
- Colonization
- Growth and nutrition of microbes
  - Temperature
  - Moisture
  - Blood and body fluids
- Laboratory methods for Identification of Microorganisms
- Staining techniques, Gram staining, Acid fast staining, Hanging drop preparation

- Culture, various medias

UNIT – III: Infection control

- Infection: Sources, portals of entry and exit, transmission
- Asepsis
- Disinfection; Types and methods
- Sterilization; Types and Methods
- Chemotherapy and antibiotics
- Standard safety measures
- Biomedical waste management
- Role of Nurse
- Hospital acquired infection Hospital infection control programme
- Protocols, collection of samples, preparation of report and status of rate of
- Infection in the unit / hospital, nurse's accountability, continuing education etc.

UNIT – IV: Pathogenic organisms:
Microorganisms

- Cocci-gram positive and gram negative
- Bacilli – gram positive and gram negative
- Spirochaete
- Mycoplasma
- Rickettsiae
- Chlamydiae
- Viruses
- Fungi-Superficial and Deep mycoses
- Parasites
- Rodents and vectors
- Characteristics, Source, Portal of entry, transmission of infection, Identification of disease producing microorganisms collection, handling and transportation of various specimens

UNIT – V

- Immunity – Types, classification
- Antigen and antibody reaction
- Hypersensitivity – skin test
- Serological test
- Immunoprophylaxis
- Vaccines and sera – Types and Classification, storage and handling, cold chain

- Immunization for various diseases
- Immunization Schedule

Method of Teaching

Lecture, Discussion, seminars

Methods of Evaluation

Tests – Written, reports, written assignments

REFERENCES:

1. R.Vasanthakumari 2013 "Essentials of Microbiology", 1st edition ,Published by EBS, Annasalai, Chennai.
2. Ananthanarayanan and Panikers 2013, "Text book of Microbiology", 9th edition, Published by Universities Press India Limited, Hydrabad.
3. Arunkumar Murugan 2012, "Text book of Microbiology for Nurses", 1st edition, EMBIESS Medical Publishers, Bangalore.
4. Dr.Emtiyazwani 2012, "New concepts in Microbiology", 1st edition, Medical Publishers, Jacandhar city.
5. Uppalapati Ravi 2014, "Text book of Microbiology", 1st edition, Vijayam publication,Vijayawada.
6. T.Ravinder2012," Microbiology For Nurses",CBS Publishers and Distributors, New Delhi.
7. Satish Gupte 2011, "The Short Textbook Of Medical Microbiology For Nurses", 1st edition Jaypee Brothers,New Delhi.
8. Seemasood 2011, "Microbiology for Nurses", 3rd edition Elsevier Publication, New Delhi.
9. Dr.Arora 2016, "Essential Microbiology For B.Sc. Nursing", CBS Publishers and Distributors, New Delhi.
10. CP.Baveja 2011, "Textbook of Microbiology For Nurses", 4th edition Arya Publications.

INTRODUCTION TO COMPUTERS

Subject Code: BSN 108 Placement: I year Theory: 25 hours
Practical: 20Hours

Course Description:

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

Learning Objective:

- Identify and define various concepts used in computer

- Identify application of computer in nursing
- Describe and Use the Disk Operating System
- Demonstrate skill in the use of MS Office
- Demonstrate skill in using multi-media
- Identify features of computer aided teaching and testing
- Demonstrate use of internet and Email
- Describe and use the statistical packages
- Describe the use of Hospital Management System

CONTENT

Unit I: Introduction

- Concepts of Computers
- Hardware and software; trends and technology
- Application of computers in nursing

Unit II: Introduction to disk-operating system

- DOS
- Windows (all version)
- Introduction
- MS-Word
- MS-Excel with pictorial presentation
- MS-Access
- MS-Power point

Unit III: Multimedia; types and uses

- Computer aided teaching & testing

Unit IV: Use of internet and: e-mail

Unit V: Statistical packages: types and their features

Unit VI: Hospital Management System: Types and uses

REFERENCES:

1. Leslie H Nicoll – Nurses Guide to the internet, 3rd Edition, Lippincott – 2001
Dr. Naval Kishore – Computers in Medicine – Vikas Publishers, New Delhi 1998

PSYCHOLOGY

Subject Code: BSN 201 Placement: II Year Theory:60 Hours

Course Description:

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

Learning Objectives:

- Describe the history, scope and methods of psychology
- Explain the biology of Human behaviour
- Describe various cognitive processes and their applications
- Describe motivation, emotions, stress, attitudes and their influence on behaviour
- Explain the concepts of personality and its influence on behaviour
- Describe the characteristics of
- Mentally healthy person
- Explain ego defense mechanism
- Explain the Psychological assessments and role of nurse

CONTENT

Unit I: Introduction

- History and origin of science of psychology
- Definitions and Scope of Psychology
- Relevance to nursing
- Methods of Psychology

Unit II:Biology of Behaviour

- Body mind relationship – Modulation process in health and illness
- Genetics and behaviour: Heredity and environment
- Brain and behaviour: Nervous system, Neurons and synapse
- Association Cortex, Rt and Lt Hemispheres
- Psychology of Sensations & Psychophysics
- Muscular and glandular controls of behavior
- Nature of behaviour of an organism/Integrated responses

Unit III:Cognitive Processes

- Attention: Types, determinants, Duration and degree, alterations
- Perception: Meaning, Principles, factors affecting, Errors,
- Learning: Nature, Types, learner and learning, factors influencing laws and theories, process, transfer, study habits
- Memory: Meaning, Types, Nature, Factors influencing, Development, Theories and methods of memorizing and Forgetting
- Thinking: Types and levels, stages of development, Relationship with language and communication
- Intelligence: Meaning, classification, uses, theories
- Aptitude: Concept, types, Individual differences and variability
- Psychometric assessments of cognitive processes
- Alterations in cognitive processes
- Applications

Unit IV:Motivation and Emotional Processes:

- Motivation: Meaning, Concepts, Types, Theories, Motives and behaviour, Conflicts and frustration, conflict resolution
- Emotions and stress
- Emotion: Definition, components, Changes in emotions, theories, emotional adjustments, emotions in health and illness
- Stress Stressors, cycle, effect, adaptation and coping
- Attitude: Meaning, nature, development, factors affecting
- Behaviour and attitudes
- Attitudinal change
- Psychometric assessments of emotions and attitudes
- Alterations in emotions
- Applications

Unit V:Personality

- Definitions, topography, types, theories
- Psychometric assessments of personality
- Alterations in personality
- Applications

Unit VI:Development Psychology

- Psychology of people at different ages from infancy to old age
- Psychology of vulnerable individuals challenged, women, sick etc
- Psychology of groups

Unit VII:Mental Hygiene and mental Health

- Concepts of mental Hygiene and mental health
- Characteristics of mentally healthy person
- Warning signs of poor mental health
- Promotive and Preventive mental health-strategies and services
- Ego Defense mechanisms and implications
- Personal and social adjustments
- Guidance and counseling
- Role of nurse

Unit VIII:Psychological assessment and tests

- Types, development, characteristics, Principles, Uses, Interpretations and Role of nurse in psychological assessment

Method of Teaching

- Lecture
- Discussion

Method of Evaluation

Written test

REFERENCES:

1. Amanpreet,K. (2013),"A Textbook of Psychology", PV Books.Vikas& company (Publishing House) India.
2. Dr. Manjula,M., Dr.Paulomi,S, &Dr.Ramachandra.(2016),"Psychology for B.Sc Nursing", 1st edition, Frontline Publications.
3. Harish,K.S., &Gulshan,M. (2016),"Psychology for Nurses", 5th edition, Lotus Publishers.
4. Khan,F.B.(2012),"Introduction to Psychology for Nurses", 1stedition, Kumar Publications.
5. Krishne,G.(2017),"Essentials of Psychology for B.Sc Nursing Students", 1stedition, CBS Publishers & Distributors Pvt.Ltd.
6. Kutty,A.B.(2013),"Psychology for B.Sc Nursing", PHI Learning Press.
7. Morris.C.G.(2016),"Psychology for Nurses", Pearson Education.
8. Rajesh,G.K.(2013),"Psychology for Graduate Nurses", 1stedition, Jaypee brothers medical Publishers(P) Ltd.
9. Sreevani,R.(2015),"Psychology for Nurses", 2ndedition, Jaypee Brothers Medical publishers (P) Ltd.
10. Venkatesh ,A.N.(2009),"Essentials of psychology for Nurses", 1stedition, Jaypee brothers medical Publishers(P) Ltd.

SOCIOLOGY

Subject Code: BSN 202A **Placement: II year** **Time: 60 hours**

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

Learning Objectives:
- State the importance of sociology in Nursing
- Describe the inter-relationship of individual in society and community
- Describe the influence of culture and on health and disease
- Identify various social groups and their interactions
- Explain the growth of population in India and its impact on health
- Describe the institutions of family and marriage in India
- Describe the class and caste system and their influence on health and health practices
- Describe the types of communities in India, their practices and the impact on health
- Explain the process of Social change
- Describe the Social system and inter-relationship of social organizations
- Explain the nature and process of social control
- Describe the role of the nurse in dealing with social problems in India

CONTENT

Unit I: Introduction
- Definition of Sociology
- Nature and Scope of the discipline
- Importance and application of sociology in Nursing

Unit II:Individual and Society
- Society and Community
- Nature of Society
- Difference between Society and Community
- Process of Socialisation and individualization
- Personal disorganization

Unit III:Culture
- Nature of culture

- Evolution of culture
- Diversity and uniformity of culture
- Culture and socialization
- Transcultural society
- Influence on health and disease

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

Unit V:Population

- Society and population
- Population growth , Variation among nations
- Population distribution in India-Demographic characteristics
- Malthusian theory of Populations
- Population explosion in India and its impact on health status
- Family welfare programmes
- 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

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

Unit VII: Social Stratification

- Meaning and types of social stratification

- The Indian Caste system-origin and features
- Features of Caste in India Today
- Social Class system and status
- Social Mobility – Meaning & Types
- Race as a biological concept, criteria of racial classification
- Salient features of Primary races-Racism
- Influence of Class, Caste and Race on health and health practices

Unit VIII:Types of Communities in India (Rural, Urban and Regional)

- Features of village community and Characteristics of Indian villages-Panchayat system, social dynamics
- Community Development project and Planning
- Changes in Indian Rural life
- Availability of health facilities in rural and its impact on health and health practices
- Urban – Community – features
- The growth of cities: Urbanization and its impact on health and health practices
- Major Urban problems-Urban Slums
- Region: Problems and impact on Health

Multidisciplinary nature of environmental studies

- Definition, Scope, importance
- Need for Public awareness

Social issues and the environment

- From sustainable to unsustainable development
- Urban problems related to energy
- Water conservation, rain water harvesting, watershed management
- Resettlement, 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 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-Changes agents

Unit X: Social organization and social system

- Social organization: elements, types
- Democratic and authoritarian modes of participation
- Voluntary associations
- Social system: Definition and Types of social system
- Role and Status as structural elements of social system
- Inter-relationship of institutions

Unit XI: Social Control

- Nature and process of social control
- Political, legal, Religious, Educational, Economic, Industrial and Technological systems, Norms & Values-Folkways and Mores customs, Laws and fashion
- Role of nurse

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 labour, child abuse, delinquency and crime, substance abuse, HIV/AIDS
- Social Welfare programmes in India
- Role of nurse

Method of Teaching

Lecturer, discussion, seminars, panel discussion Observation visits, household surgery.

Methods of Evaluation

Tests – Written, reports, written assignments

References:

1. Nalini P R, "Principles of Sociology for Graduate Nurses", 2017. 1st edition, Jaypee brothers medical publishers, India.
2. Lohumi, "Sociology for Nssurses", 2015. Elsevier publishers ,India
3. Krishne Gowda, "Sociology for Nurses", 2009 6th edition, CBS publishers, India.
4. NeelamKumari, "Behavioral science(sociology)", 2014, S.Vikas& company (medical publishers),India.
5. Sobha Krishna, Gowthami, Yamini, "The complete study of material sociology", Vijayan Publications, Vijayawada, India.
6. P.Ganesh, "Text book of sociology for PcBSc Nursing",2013, EmmesMedical Publishers , India.
7. Krishna Gowda, "Sociology for Nurses", 5th edition,2009,CBS Publishers, India.
8. Tara Madhusudan, "Sociology for Nursing and allied health sciences", 1stedition,2011, Jaypee Brothers Medical Publishers Pvt ltd, India
9. Kavitha WS, "Sociology in Nursing globe", 1stt edition,2008, Jaypee brothers medical publishers, India
10. Dr. P.Ramasamy, "General and medical sociology(A text book for para medical students)", 4thedition, 2006, New millennium publications, India.
11. Prabhakara, G.N., 's Short Textbook of Preventive and Social Medicine", Jaypee Brothers Medical Publishers (P) Ltd, New Delhi, 2002
12. Gupta, Mc & Mahajan, B.K., "Text Book of Preventive and Social Medicine", 3rd Edition, Jaypee Brothers, New Delhi, 2003.
13. Agarwal K.C 2001 Environmental Biology Nidi Pubi Ltd Bikaner
14. BharuchaErach, The biodiversity of India, Mapin Publishing Pvt. Ltd, Ahmedabad - 380 013, India, Email: mapin@icenet.net.(R)
15. Brunner R.C 1989, Hazardous Waste Incineration, Mc Graw Hill Inc 480p
16. Clark R.S Marine Pollution, clanderson press Oxford (TB)
17. Cunningham WP Cooper, TH Gorhai E & Hepworth M.T 2001, Environmental Encyc
18. De A.K., Environmental Chemistry, Wiley Eastern Ltd.
19. Down to Earth, Centre for Science and Environment (R)

20. Gleick, H.P.1993 water in crisis , pacific Institute for studies in Dev, Environment & Security Stockholm Env. Institute Oxford Univ. press 473p
21. Hawkins R.E, Encyclopedia of India Natural History, Bombay Natural History Society
22. Heywood. V.H &Waston, R.T 1995 Global Biodiversity Assessment Cambridge Univ Press 1140p
23. Jadhav,11 &Bhosale, V.M 1995 Environmental Protection and Laws Himalaya pub House Delhi 284p
24. Mckinney M.L & School R.M 1996 Environmental Science system & Solutions web enhanced edition 639p
25. Mhaskar A.K Matter Hazardous, Techno – Sciences Publication (TB)
26. Miler T.G. Jr Environmental Sciences, Wadsworth Publishing Co (TB)
27. Odum. E.P 1971 fundamental of Ecology WB Saunders Co USA 574p
28. Rao M.N &Datta A.K 1987 Waste water treatment Oxford & IBH Publication Co. Pvt Ltd 345p
29. Sharma BK 2001 Environmental chemistry Geol Publ. House. Meerut
30. Survey of the environment, the Hindu (M)
31. Townsend C., Harper J, and Michael Begon, Essential of Ecology, Blackwell Sciences (TB)
32. Trivedi R.K, Handbook of Environmental Laws, Rules Guidelines, Compliances and Stadards, Vol I and II, Enviro Media (R)
33. Trivedi R.K and PK Goel, Introduction to air pollution, Techno- Sciences Publication (TB)
34. Wanger K.D 1998 Environmental Management W.B Saunders Co Philadelphia, USA 499p

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

PHARMACOLOGY, PATHOLOGY AND GENETICS

Subject Code: BSN 203 **Time: Theory 45+20+15Hrs**
Placement: Second year **Practical:10 Hrs**

PHARMACOLOGY

Subject Code: BSN 203Placement: Second year Time: Theory 45Hrs
Practical – 10 Hrs

Course Description:

This course is designed to enable students to acquire understanding of pharmacokinetics, principles of therapeutics and nursing implication

Learning Objectives:

- Describe pharmacodynamics, pharmacokinetics, classification and these principles of drug administration
- Explain chemotherapy of specific infections and infestations and nurse's responsibilities
- Describe Antiseptics, disinfectants, insecticides and nurse's responsibilities
- Describe Drugs acting on Gastro Intestinal system and nurse's responsibilities
- Describe Drugs used on Respiratory Systems and nurse's responsibilities
- Describe Drugs used on Urinary System and nurse's responsibilities
- Describe Drugs used in Deaddiction, emergency, deficiency of vitamins and minerals, poisoning, for immunization and immuno suppression and nurse's responsibilities
- Describe Drugs used on skin and mucous membranes and nurse's responsibilities
- Describe Drugs used on Nervous System and nurse's responsibilities
- Describe Drugs used on Cardiovascular System and nurse's responsibilities
- Describe drugs used for hormonal disorders and supplementation, contraception and medical termination of pregnancy and nurse's responsibilities

CONTENT

UNIT I:Introduction to Pharmacology

- Definitions
- Sources
- Terminology used
- Types: Classification
- Pharmacodynamics: Actions, Therapeutic,
- Adverse, toxic
- Pharmacokinetics: absorption, distribution, metabolism, interaction, excretion
- Review: Routes and principles of administration of drugs
- Indian pharmacopoeia: Legal issues
- Rational use of drugs
- Principles of therapeutics

UNIT II:Chemotherapy:

- Pharmacology of commonly used;
  - Penicillin
  - Cephalosporins
  - Aminoglycosides

- Macrolide & Broad Spectrum Antibiotics
- Sulfonamides
- Quinolones
- Antiamoebic
- Antimalarials
- Anthelmintics
- Antiscabies agents
- Antiviral & anti-fungal agents
- Antitubercular drugs
- Anti leprosy drugs
- Anti cancer drugs
- Immuno-suppressants
- Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse

UNIT III:Pharmacology of commonly used antiseptics, disinfectants and insecticides

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

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.

UNIT V:Drugs used on Respiratory Systems

- Pharmacology of commonly used
- Anti asthmatics
- Mucolytics

- Decongestants
- Expectorants
- Antitussives
- Bronchodilators
- Broncho constrictors
- Antihistamines

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

UNIT VI:Drugs used on Urinary System

- Pharmacology of commonly used
- Diuretics and antidiuretics
- Urinary antiseptics
- Cholinergic and anticholinergic
- Acidifiers and alkalinizes
- Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse

UNIT VII:Miscellaneous

- Drug used in de-addiction
- Drugs used in CPR and emergency
- Vitamins and minerals
- Immunosuppresants
- Antidotes
- Antivenom
- Vaccines and sera

UNIT VIII:Drugs used on skin and mucous membranes

Topical application for skin, eye, ear, nose and buccal cavity anti pruritics Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse

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

1. Opioids
2. Non-Opioids
3. Tranquilizers
4. General and local anaesthetics
5. Gases: oxygen, nitrous oxide, carbon-dioxide

Cholinergic and anti-cholinergics

1. Muscle relaxants
2. Major tranquilizers
3. Anti-psychotics
4. Antidepressants
5. Anticonvulsants
6. Beta blockers
7. Alpha blockers
8. Uterine relaxants
9. Nasal congesants
10. Adrenergics
11. Noradrenergics
12. Mood stabilizers
13. Acetylcholine
14. Stimulants

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

UNIT X:Cardiovascular drugs

1. Haematinics
2. Cardiotonics
3. Anti anginals
4. Anti-hypertensives and Vasodilators
5. Anti-arrhythmics
6. Plasma expanders
7. Coagulants & anticoagulants
8. Antiplatelets&thrombolytics
9. Hypolipidemics

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

UNIT XI:Drugs used for hormonal disorders and supplementation, contraception and medical termination of pregnancy

- Insulins and Oral hypoglycemics
- Thyroid supplements and suppressants
- Steroids, Anabolics
- Uterine stimulants and relaxants
- Oral contraceptives
- Other estrogen-Progestrone preparations
- Corticotrophine&Gonadotropines
- Adrenaline
- Prostagladins
- Calcitonins
- 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 drug used in alternative systems of medicine:
Ayurveda, Homeopathy, Unani and Siddha etc.

Method of Teaching
Lecture, Discussion, seminars

Methods of Evaluation
Tests – Written, reports, written assignments

REFERENCES:

1. Burchum,J.,& Rosenthal, L.(2015). "Lehne's Pharmacology for Nursing care", 9th edition, Elsevier Publications.
2. Kamalakannan ,P.(2013),"Textbook of Pharmacology for Nurses and Allied health Sciences", 1stedition, CBS Publishers & Distributors Pvt.Ltd.
3. Kee,J.L., Hayes,E.R.,&McCuistion .(2016),"Pharmacology: A Patient-centered Nursing Process Approach". 8thedition. Elsevier Publications.
4. Liley, L.L.,&Robert,S.A.(2001),"Pharmacology Nursing Process", 3rd edition, Mosby, Inc.
5. McCuistion,L.E.&Gutierrez,K..J..(2016),"Saunders Nursing Survival Guide", Pharmacology.2nd edition, Saunders Elsevier.
6. Padmaja Udaykumar. (2013),"Pharmacology for Nurses", 3rd edition, Jaypee brothers Medical Publishers(P) Ltd.

7. Suresh,K.S.(2016),"Textbook of Pharmacology, Pathology and Genetics for Nurses", 1st edition,Vol-1. Jaypee brothers medical Publishers(P) Ltd.
8. Tara,V.S.,Smita.S.,& Veena ,N.,(2011),"Pharmacology for Nurses", 1st edition, Reed Elsevier India (P) Ltd.
9. Trounce,J., & Gould, D. (2000) "Clinical Pharmacology for Nurses", 16th edition, Churchill Livingstone, Harcourt Publishers Ltd.
10. Wolters, K . (2017),"Nursing Drug Handbook", 37th edition, Lippincott.

PATHOLOGY

Subject Code : BSN 203 **Placement: Second Year**
Time: Theory – 20 hours

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

Learning Objectives:
- Define the common terms used in pathology
- Appreciate the deviations from normal to abnormal structure and functions ofthe body system
- Explain Pathological changes in disease conditions of various systems
- Describe various laboratory tests in assessment and monitoring of diseaseconditions
- Describe the laboratory tests for examination of body cavity fluids, transudates and exudates
- Describe the laboratory tests for examination of Urine and faces

CONTENT

UNIT I:Introduction
- Importance of the study of pathology
- Definition of terms
- Methods and techniques
- Cellular and Tissue changes
- Infiltration and regeneration
- Inflammations and Infections
- Wound healing
- Vascular changes

Cellular growth, Neoplasms

- Normal and Cancer cell
- Benign and malignant growths
- In situ carcinoma

Disturbances of fluid and electrolyte imbalances

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 &tumours

Cardio-vascular system

- Pericardial effusion
- Rheumatic heart disease
- Infective endocarditis, atherosclerosis
- Ischemia, infarction & aneurysm

Gastro Intestinal tract

- Peptic ulcer, typhoid
- Carcinoma of GI tract – buccal, Esophageal,
- Gastric and Intestinal

Liver, Gall bladder and pancreas

- Hepatitis, Chronic liver abscess, cirrhosis
- Tumours of liver, gall bladder and pancreas,
- Cholecystitis

Kidneys and Urinary tract

- Glomerulonephritis, pyelonephritis
- Calculi, renal failure, renal carcinoma and cystitis

Male genital systems

- Crptorchidism, testicular atrophy
- Prostatic hyperplasia, carcinoma Penis & prostate

Female genital system

- Fibroids

- Carcinoma cervix and Endometrium
- Vesicular mole, choriocarcinoma
- Ectopic gestation
- Ovarian cyst and tumours

Cancer Breast

Central Nervous system

- Hydrocephalus, Meningitis, encephalitis,
- Vascular disorders-thrombosis, embolism
- Stroke, Paraplegia, quadriplegia
- Tumours, meningiomas-gliomas

Metastictumours

Skeletal system

- Bone healing, osteoporosis, osteomyelitis
- Arthritis and tumours

Unit III:Clinical Pathology

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

Unit IV:Examination of body cavity fluids, transudates and exudates

- The laboratories tests used in CSF analysis
- Examination of other body cavity fluids, transudates and exudates – sputum,wound discharge etc.
- Analysis of gastric and duodenal contents
- Analysis of semen-sperm count, motility and morphology and their importance in infertility

- Methods of collection of CSF and other cavity fluids specimen for various clinical pathology, biochemistry, microbiology tests, inference and normal values

Unit V:Urine and faeces

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

Method of Teaching

Lecture, Discussion, seminars

Methods of Evaluation

Tests – Written, reports, written assignments

REFERENCE:

1. Dr.Preeti,G. (2014),"A textbook of Pathology", 4th edition, PV Books. Vikas& company (Medical Publishers).
2. Dr. Swetha,S.(2015),"Pathology for Nurses", 1stedition, Kumar Publications.
3. Mandal ,A.K.,&Shramana,C.(2017),"Comprehensive Textbook of Pathology for Nursing",Avichal Publishing Company.
4. Navneet,K., &Dr.Suresh,K.S.(2017),"Essential pathology for Nursing Students", Lotus Publisher.
5. Ramadas,N.,Sharada,R.,&Astha,G.(2013), "Textbook of pathology & Genetics for Nurses", 1stedition, Jaypee Brothers Medical publishers (P) Ltd.
6. Sajal.,T.R., Sajani, T.T.,&Sarnali,T.T.(2013),"A Short Textbook of Pathology", 2ndedition, Jaypee Publishers.
7. Sonal,S., Geetika,K.B.,&Suresh,D.G.(2015),"Textbook of pathology & Genetics for Nurses", 1stedition, Reed Elsevier India.(P) Ltd.

8. Suresh,K.S.(2016),"Textbook of Pharmacology, Pathology and Genetics for Nurses", 1st edition, Vol-1. Jaypee brothers medical Publishers(P) Ltd.
9. Swaminathan.(2010),"Pathology & Genetics for Nurses", 2nd edition. Jaypee Publishers.
10. Triveni,B. (2011),"A Textbook of Pathology for B.Sc Nursing", 1st edition. Frontline Publications.

GENETICS

Subject Code : BSN 203 **Placement: Second year**
Time:Theory – 15 hours

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

Learning Objectives
- Explain nature, principles and perspectives of heredity
- Explain Maternal, prenatal and genetic influences on development of defects and diseases
- Explain the screening methods for genetic defects and diseases in neonates and children
- Identify genetic disorders in adolescents and adults
- Describe the role of nurse in genetic services and counseling

Unit I:Introduction
- Practical application of genetics in Nursing
- Impact of genetic condition on families
- Review of cellular division mitosis and meiosis
- Characteristics and structure of genes
- Chromosomes – sex determination
- Chromosomal aberrations

Patterns of inheritance
- Mendalian theory of inheritance
- Multiple allots and blood groups
- Sex linked inheritance
- Mechanism of inheritance
- Errors in transmission (Mutation)

Unit II:Maternal, Prenatal and genetic influences on development of defects and diseases

- Conditions affecting the mother: genetic and infections
- Consanguinity atrophy
- Prenatal nutrition and food allergies
- Maternal Age
- Maternal drug therapy
- Prenatal testing and diagnosis
- Effect of Radiation, drugs and chemicals
- Infertility
- Spontaneous abortion
- Neural Tube Defects and the role of folic acid in lowering the risks
- Down syndrome (Trisomy 21)

Genetic testing in the neonates and children

- Screening for
  - Congenital abnormalities
  - Developmental delay
  - Dysmorphism

Unit III:Genetic conditions of adolescents and adults

- Cancer genetics – Familial Cancer
- Inborn errors of metabolism
- Blood group alleles and haematological disorder
- Genetic haemochromatosis
- Huntington's disease
- Mental illness

Unit IV:Services related to Genetics

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

Method of Teaching

Lecture, Discussion, seminars

Explain using charts, slides

Methods of Evaluation

Tests – Written, reports, written assignments

1. Ashima,C., &Kiran,C.(2017),"Textbook of Genetics for Nursing",Arya Publications.
2. Dr.Mohammed,R., & Dr. Ayesha,A.(2015),"Genetics Nursing Perspectives", 1st edition, Frontline publications.
3. Kamal,J.(2013),"Genetics for Nurses",1st edition, Kumar Publication.
4. Navneet, K.(2016),"Essential genetics For Nursing Student", Lotus Publisher.
5. Parvathi,V.D.(2013),"Genetics for Nurses", Pearson Education Publishers.
6. Ramadas,N.,Sharada,R.,&Astha,G.(2013), "Textbook of pathology & Genetics for Nurses", 1st edition,"Jaypee Brothers Medical publishers (P) Ltd.
7. Sonal,S., Geetika,K.B.,&Suresh,D.G.(2015),"Textbook of pathology & Genetics for Nurses", 1st edition, Reed Elsevier India.(P) Ltd.
8. Suresh,K.S.(2016),"Textbook of Pharmacology, Pathology and Genetics for Nurses", 1st edition, Vol-1. Jaypee brothers medical Publishers(P) Ltd.
9. Suresh.K.S.(2010),"Human Genetics in Nursing", 2nd edition, Jaypee brothers medical Publishers(P)Ltd.
10. Swaminathan.(2010),"Pathology & Genetics for Nurses", 2nd edition, Jaypee Publishers.

MEDICAL SURGICAL NURSING (ADULT AND GERIATRICS) – I

Subject Code : BSN 204A **Theory – 210Hours**
Placement: Second year **Practical – 720 hours**

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

Learning Objectives:
- Appreciate the trends in medical and surgical nursing
- Describe the role of a nurse in caring for adult patient in hospital and community
- Describe the concepts of Medical Surgical asepsis
- Describe the common signs, symptoms, problems and their
- Specific nursing interventions
- Describe the etiology, patho-physiology, clinical manifestations, diagnostic measures and management of patients with disorders of respiratory systems
- Describe the etiology, patho-physiology, clinical manifestations, diagnostic measures and management of patients with disorders of digestive systems
- Describe the etiology, patho-physiology, clinical manifestations, diagnostic measures and management of patients with blood and cardio vascular problems
- Describe the vascular conditions and its nursing management
- Describe the etiology, patho-physiology, clinical manifestations, diagnostic measures and management of patients with disorders of genito-urinary system
- Describe the etiology, patho-physiology, clinical manifestations, diagnostic measures and management of patients with disorders of male reproductive systems
- Describe the etiology, patho-physiology, clinical manifestations, diagnostic measures and management of patients with disorders of endocrine systems
- Describe the etiology, patho-physiology, clinical manifestations, diagnostic measures and management of patients with disorders of skin
- Describe the etiology, patho-physiology, clinical manifestations, diagnostic measures and management of patients with disorders of musculoskeletal systems

- Describe the etiology, patho-physiology, clinical manifestations, diagnostic measures and management of patients with disorders of Immunological systems
- Describe the etiology, patho-physiology, clinical manifestations, diagnostic measures and management of patients with Communicable diseases
- Provide care to patients in emergency and disaster situation
- Counsel patient and families for grief and bereavement

CONTENT

Unit – I: Introduction

- Introduction to medical surgical nursing. Evolution and trends of medical and surgical nursing
- Review of concepts of Health and illness Disease-concepts, causations, classification-International Classification Diseases (ICD-10 or later version), Acute illness Chronic illness and Terminal illness, stages of illness
- Review of concepts of comprehensive nursing care in medical surgical conditions based on nursing process
- Role of Nurse, patient and family in care of adult patient
- Role and responsibilities of a nurse in medical surgical settings:
- 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

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

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 and nursing management of
- Adults including elderly with -
- Upper Respiratory tract infections
- Bronchitis
- Asthma
- Emphysema
- Empyema
- Atelectasis
- Chronic Obstructive Pulmonary Diseases (COPD)
- Bronchiectasis
- Pneumonia
- Pulmonary tuberculosis
- Lung abscess
- Pleural effusion
- Cysts and tumours
- Chest injuries
- Respiratory arrest and insufficiency
- Pulmonary embolism
- Special therapies, alternative therapies
- Nursing procedures
- Drugs used in treatment of respiratory disorders

Unit – IV: Nursing management of patient (adults 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 and surgical dietetics and nursing management Disorders of
- Oral cavity-lips, gums, tongue, salivary glands and teeth
- Oesophagus-inflammation, stricture, obstruction, bleeding and tumours
- Stomach and duodenum-hiatus hernia, gastritis, peptic and duodenal ulcer, bleeding, tumors, pyloric stenosis.
- Small intestinal disorders - inflammation and infection, enteritis,
- malabsorption, obstruction, tumor and perforation.
- Large intestinal disorders - Colitis, inflammation and infection, obstruction
- and tumor and lump Hernias
- Appendix-inflammation, mass, abscess, rupture
- Anal & Rectum; hemorrhoids, fissures, fistulas
- Peritonitis/acute abdomen
- Pancreas; inflammation, cyst, abscess and tumors
- Liver; inflammation, cyst, abscess, cirrhosis, portal hypertension, hepatic
- failure, tumors
- Gall Bladder; inflammation, obstruction, stones and tumors
- Special therapies, alternative therapies
- Nursing procedures
- Drugs used in treatment of disorders of digestive system

Unit – V: Nursing management of patient (adult including elderly) with blood and cardio vascular problems

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

Heart

- Coronary artery diseases
- Ischemic Heart Disease

- Cornary atherosclerosis
- Angina pectoris
- Myocardial infarction
- Valvular disorders of the heart
- Congenital and acquired
- Rheumatic Heart diseases
- Endocarditis, Pericarditis Myocarditis
- Cardio Myopathies
- Cardiac dysrhythmias, Heart Block
- Congestive cardiac failure
- Cor-pulmonale, pulmonary edema, cardiogenic shock, cardiac tamponade
- Cardiac emergencies and arrest
- Cardio Pulmonary Resuscitation (CPR)
- Blood
- Anaemias
- Polycythemia
- Bleeding disorders; clotting factor defects and platelets defects
- Thalassemia
- Leukemias
- Leukopenia and agranulocytosis
- Lymphomas
- Myelomas
- Special therapies
- Blood transfusion, safety checks, procedure and requirements, management of adverse transfusion reaction, records for blood transfusion.
- Management and counselling of blood donors, phlebotomy procedure, and post donation management. Blood bank functioning and hospital transfusion committee. Bio-safety and waste management in relation to bloodtransfusion.
- Role of a nurse in Organ donation retrieval and banking
- Alternative therapies
- Nursing procedures
- Drugs used in treatment of blood and cardio vascular disorders

Unit – VI:Nursing management of patient (adults including elderly) with genito-urinary problems

- Review of anatomy and physiology of genito-urinary system
- Nursing Assessment-History and Physical assessment
- Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment

modalities and medical, surgical dietetics and nursing management of -

- Nephritis
- Nephrotic syndrome
- Nephrosis
- Renal calculus
- Tumors
- Acute renal failure
- Chronic renal failure
- End stage renal disease
- Dialysis, renal transplant
- Congenital disorders, urinary infections
- Benign prostate hypertrophy
- Disorder of ureter, urinary bladder and urethera - inflammation, infection, stricture, obstruction, tumour, prostate
- Special therapies, alternative therapies
- Nursing procedures
- Drugs used in treatment of genito - urinary disorders

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 dietetics and nursing management of disorders of male reproductive system
- Congenital malformations; cryptorchidism
- Hypospadiasis, Epispadiasis
- Infections
- Testis and adjacent structures
- Penis
- Prostate: inflammation, infection, hypertrophy, tumor
- Sexual Dysfunction
- Infertility
- Contraception
- Breast; gynaecomastia, tumour
- Climacteric changes
- Special therapies, alternative therapies
- Nursing procedures

- Drugs used in treatment of disorders of male reproductive system

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 and nursing management of -
- Disorders of Thyroid and Parathyroid
- Diabetes Mellitus
- Diabetes insipidus
- Adrenal tumour
- Pituitary disorders
- Special therapies, alternative therapies
- Nursing procedures
- Drugs used in treatment of disorders of endocrine system

Unit – IX:Nursing management of patient (adults including elderly) with disorders of Integumentary system

- Review of anatomy and physiology of skin and its appendages
- Nursing Assessment-History and Physical assessment
- Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics and nursing management of disorders of skin and its appendages -
- Lesions and abrasions
- Infection and infestations:
- Dermatits
- Dermatoses; infectious and non infectious “inflammatory dermatoses”
- Acnevulgaris
- Allergies and Eczema
- Psoriasis
- Malignant melanoma
- Alopecia
- Special therapies, alternative therapies
- Nursing procedures
- Drugs used in treatment of disorders of Integumentary system

Unit – X:Nursing management of patient (adults including elderly) with musculoskeletal problems

- Review of anatomy and physiology of musculoskeletal system
- Nursing Assessment-History and Physical assessment
- Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics and nursing management of -
- Disorders of
- Muscles, Ligaments and joints – inflammation, infection, trauma
- Bones - inflammation, infection, dislocation, fracture, tumor and trauma
- Osteomalacia and osteoporosis
- Arthritis
- Congenital deformities
- Spinal column- defects and deformities, Tumor, Prolapsed inter vertebral disc, pott's spine
- Paget's disease
- Amputation
- Prosthesis
- Transplant and replacement surgeries
- Rehabilitation
- Special therapies, alternative therapies
- Nursing procedures
- Drugs used in treatment of disorders of musculoskeletal system

Unit – XI:Nursing management of patient (adults including elderly) with Immunological problems

- Review of Immune system
- Nursing Assessment-History and Physical assessment
- Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical, surgical, dietetics and nursing management of -
- Immunodeficiency disorder
- Primary immuno deficiency
- Phagocytic dysfunction
- B – cell and T – cell deficiencies
- Secondary immunodeficiencies
- Acquired immunodeficiency syndrome (AIDS)
- Incidence of HIV & AIDS
- Epidemiology
- Transmission-Prevention of Transmission

- Standard Safety precautions
- Role of Nurse; Counselling
- Health education and home care consideration
- National AIDS Control Program- NACO, various national and international agencies
- Infection control program
- Rehabilitation
- Special therapies, alternative therapies
- Nursing procedures
- Drugs used in treatment of disorders of immunological system.

Unit – XII: Nursing management of patient (adults including elderly) with Communicable Diseases

- Overview of infectious disease, the infectious process
- Nursing Assessment-History and Physical assessment
- Epidemiology, infectious process, clinical manifestations, diagnosis,treatment prevention and dietetics. Control and eradication of common Communicable Diseases-
- Tuberculosis
- Diarrhoeal diseases
- Hepatitis A – E
- Herpes
- Chicken pox
- Small pox
- Typhoid
- Meningitis
- Gas gangrene
- Leprosy
- Dengue
- Plague
- Malaria
- Diphtheria
- Pertussis
- Poliomyelitis
- Measles
- Mumps
- Influenza
- Tetanus

- Yellow fever
- Filariasis
- HIV, AIDS
- Reproductive Tract Infections
- Special Infection control measures: Notification, Isolation, Quarantine,
- Immunization, Infectious Disease Hospitals
- Special therapies, alternative therapies
- Nursing procedures
- Drugs used in treatment of Communicable diseases

Unit XIII:Peri Operative Nursing :

- Organisation 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
- Monitoring the patient during surgical procedures
- Maintenance of therapeutic environment in O.T.
- Standard Safety measures
- Infection control; fumigation disinfection and sterlisation
- Biomedical waste management
- Prevention of accidents and hazards in O.T.
- Anaesthesia
- Types
- Methods of administration
- Effects and Stages
- Equipments
- Drugs

- Cardio Pulmonary Resuscitation (CPR)
- Pain management techniques
- Legal Aspects

Method of Teaching
Lecture, Discussion, seminars
Explain using charts, slides

Methods of Evaluation
Tests – Written, reports, written assignments

REFERENCES:

1. Brunner Suddarth,"Textbook of Medical Surgical Nursing", 10th Edition, JB Lippincott Company, Philadelphia 2004.
2. Joyce M Black – Jone H Kansa, Hawks Annabella M. Keena, "Medical Surgical Nursing", Volume I, II WB Saunders Philadelphia, Harcourt, India, 5th Edition 2001.
3. Linton Macbius, "Introduction to Medical Surgical Nursing",WB Saunders Philadelphia, 3rd Edition, 2003
4. Lewis Heitkemper Dirksen,"Medical Surgical Nursing", 6th Edition, Mosby 2004.
5. Lippincott,"Manual of Nursing practice", Lippincott – Philadelphia, 7th Edition 2003, Lippincott Company
6. OnilaSalins, "Medical Surgical Nursing specialities", JB Medical Publishers, New Delhi – 2003.
7. Shafers,"Medical Surgical Nursing", 7th Edition 2002, B.I. Publications, New Delhi.
8. Tamara H Bickston, "Medical Surgical Nursing Recall", Lippincott Williams & Wilkins Philadelphia, New York, London, 2004.
9. Ulrich,"Nursing care planning Guides" Elsevier Saunders, 6th Edition, 2005.
10. Walsh, Mike- Watson, "Clinical nursing and related Sciences" 6th Edition Bailliere Tindall, 2002.

MEDICAL SURGICAL NURSING (ADULT AND GERIATRICS)-I

PRACTICALS **Subject Code: BSN 204A**
Time: 720 hours **Placement: Second year**

Objectives:

- Provide nursing care to adult patients with medical disorders
- Counsel and educate patients and families
- Provide pre and post operative nursing care to adult patients with surgical disorders
- Counsel and educate patients and families
- Provide nursing care to patients with cardiac disorders
- Counsel and educate patients and families
- Identify skin problems
- Provide nursing care to patients with Skin disorders & Communicable diseases
- Counsel and educate patients and families
- Provide nursing care to patients with musculo skeletal disorders.
- Counsel and educate patients and families
- Identify instruments used in common operations
- Participate in Infection Control practices in the Operation Theatre
- Set-up the table/trolleys for common operative procedures
- Assist in giving anesthesia
- Assist in the operative procedures
- Provide peri operative nursing care

Suggested Practicals

General Medical Ward (Respiratory, GI, Endocrine, Renal, Hematology)

- Assessment of the patient
  - Taking history
  - Perform general and specific physical examination
  - Identify alterations and deviations
- Practice medical surgical asepsis – standard safety measures
- Administer medications
  - Oral, IV, IM, Subcutaneous
- IV therapy
  - IV cannulation
  - Maintenance and monitoring
- Oxygen therapy by different methods
- Nebulization

- Chest Physio therapy
- Naso gastric feeding
- Assist in common diagnostic
- Perform/Assist in therapeutic procedures
- Blood and component therapy
- Throat Suctioning
- Collect specimens for common investigations
- Maintain elimination
- Catheterization
- Bowel wash
- Enema
- Urinary drainage
- Maintain intake, output and documentation
- Counsel and teach related to specific disease conditions

(General Surgical Ward (G.I, Urinary CTVS)

- Practice medical surgical asepsis- Standard safety measures
- Pre operative preparation of patients
- Post operative care – Receiving pt, assessment, monitoring, care
- Care of wounds and drainage
- Suture removal
- Ambulation and exercise
- Naso gastric aspiration
- Care of chest drainage
- Ostomy care
- Gastrostomy
- Colostomy
- Enterostomy
- Blood and component therapy
- Practice universal precautions

Cardiology ward

- Physical examination of the cardio vascular system Recording and interpreting ECG
- Monitoring of patients
- Preparation and assisting in non-invasive and invasive diagnostic procedures

- Administer cardiac drugs
- Cardio pulmonary Resuscitation

- Teach patients and families
- Practice medical and surgical asepsis-Standard safety measures

Skin and communicable diseases Ward

- Assessment of patients with skin disorders
- Assist in diagnostic and therapeutic procedures
- Administer topical medication
- Practice medical surgical asepsis – Standard safety measures
- Use of personal protective equipment (PPE)
- Give Medicated baths
- Counselling HIV positive patients
- Teach prevention of infectious diseases

Orthopaedic ward

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

Operation Theatre

- Scrubbing, gowning, gloving
- Identify instruments, suturing materials for common operations
- Disinfection, Carbolization, fumigation
- Preparation of instrument sets for common operations
- Sterilization of sharps and other instruments
- Prepare the OT table depending upon the operation
- Positioning and monitoring of patients
- Endotracheal intubation
- Assisting in minor and major operations.
- Handling specimens
- Disposal of waste as per the guidelines

Internship:

Areas	Duration (In weeks)	Objectives	Skills	Assignments	Assessment Methods
ICU, CCU, CARDI AC OT.	2	1. To gain proficiency in ICU nursing. 2. Develop advance skill in special procedures used in critical care unit. 3. Identify potential problems and provide accordingly. 4. Skill in setting and handling ventilator. 5. Administer injection in infusion pump. 6. Record accurately findings and medications.7. Develop IPR with family members. 8. Acquaint with OT technique.	1. Assist in arterial puncture for blood gas analysis. 2. Perform ECG and interpret accordingly. 3. Conduct and analysis pulse oximetry. 4. Care with artificial airway. 5. Assist in endotracheal intubations. 6. Setting up ventilator. 7. Giving care in ventilator. 8. Drug sheet. 9. Observation of special procedure in OT.	1. Arterial puncture- 5 2. Taking out ECG stripe–5. 3. Tracheal suction – 5. 4. For all assigned patients. 5. Oxygen administration by CPAP mask and use Ambu bag. 6. Assessment for all assigned patients. 7. Nursing care in ventilator. 8. Drug sheet.	1. Record book. 2. Checking with supervisor.
Neuro ICU, ITU, OT	2	1. Develop skill in neurological assessment. 2. Give care to the pt with head injury and spinal injury. 3. Care with chest surgery and cranial surgery.	1. Assess neurological status. 2. Implement care to head injury spinal injury patients. 3. Drug sheet. 4. pre and postoperative care with neuro surgery patients.	1. Assessment for all assigned patients. 2. Nursing care plan - 2 3. Drug sheet	1. Record book . 2. Observation checklist.

Areas	Duration (In weeks)	Objectives	Skills	Assignments	Assessment Methods
Burns and plastic Reconstructive surgery	2	1. Assess the severity of burns. 2. Administer rehydration therapy. 3. Observe reconstructive surgery.	1. Nursing care		
OT Lapro-scopic Ortho-paedic Eye ENT	3	1. Identify instruments. 2. Assist in OT set UP. 3. Supervise sterilization. 4. Assist in OT table lay out. 5. Observe immediately after operation. 6. Supervise infection control.		1. Assist – 5 cases.	1. Record book.

COMMUNITY HEALTH NURSING - I

Subject Code:BSN 205A **Placement: Second year**
Time: Theory – 90 hours **Practical - 135 hours**

Course Description:
The course is designed for students to appreciate the principles of promotion and maintenance of health.

Learning Objectives:
- Describe concept and dimensions of health
- Describe determinants of health
- Describe concept, scope, uses methods and approaches of epidemiology
- Describe Epidemiology and nursing management of common Communicable diseases
- Describe Epidemiology and nursing management of common Non communicable diseases
- Describe the concepts and scope of demography
- Describe methods of data collection, analysis and interpretation of demographic data
- Identify the impact of population explosion in India
- Describe methods of population control

CONTENT

Unit – I: Introduction
Community health nursing
- Definition, concept and dimensions of health
- Promotion of health
- Maintenance of health

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: Infrastructure facilities and Linkages
- Acts regulating the environment: National pollution control board

- 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 forest and tribal people.
b) Water resources: Use and over-exploitation 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) Energy resources: Growing energy needs, renewable and non-renewable energy sources, use of alternate energy sources, Case studies.
e) 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.
    - Environmental Pollutions

Definition, cause, 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 pollution
    - Solid waste Management: Cause, effects and control measures of urban and industrial wastes.
    - Role of an individual in prevention of pollution
    - Pollution case studies

Bacterial and viral: Agents host carriers and immunityArthopods and Rodents

- Food hygiene: Production, Preservation, Purchase, Preparation, Consumption
- Acts regulating food hygiene – Prevention of food adulteration act, Drugs and cosmetic act
- Socio-cultural
- Customs, taboos
- Marriage system
- Family structure

- Status of special groups; Females, Children, Elderly, challenged groups and sick persons
- Life Style
- Hygiene
- Physical activity
- Recreation and sleep
- Sexual life
- Spiritual life philosophy
- Self reliance
- Dietary pattern
- Education
- Occupation
- Financial Management
  - Income
  - Budget
  - Purchasing power
  - Security

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

Unit – IV

Epidemiology and nursing management of common Communicable diseases

- Respiratory infections
- Smallpox
- Chicken pox
- Measles
- Influenza
- Rubella
- ARI's and pneumonia
- Mumps

- Diphtheria
- Whooping cough
- Meningococcal meningitis
- Tuberculosis
- SARS

Intestinal Infections

- Poliomyelitis
- Viral Hepatitis
- Cholera
- Diarrhoeal diseases
- Typhoid Fever
- Food poisoning
- Amoebiasis
- Hook worm infestation
- Ascariasis
- Dracunculiasis

Arthropod infection

- Dengue
- Malaria
- Filariasis
- Zoonoses

Viral

- Rabies
- Yellow fever
- Japanese encephalitis
- Kyansnur Forest Disease

Bacterial

- Brucellosis
- Plague
- Human Salmonellosis
- Anthrax
- Leptospirosis
- Rickettsial diseases
- Rickettsial Zoonoses
- Scrub typhus

- Murine typhus
- Tick typhus
- Q fever
- Parasitic Zoonoses
- Taeniasis
- Hydatid disease
- Leishmaniasis
- Surface infection
- Trachoma
- Tetanus
- Leprosy
- STD & RTI
- Yaws
- HIV/AIDS
- Any other

Unit – V:Epidemiology and Nursing management of Non Communicable diseases

- Malnutrition: under nutrition, over nutrition, nutritional deficiencies
- Anaemia
- Hypertension
- Stroke
- Rheumatic Heart Diseases
- Coronary Heart Diseases
- Cancer
- Diabetic mellitus
- Blindness
- Accidents
- Mental Illness
- Obesity
- Iodine Deficiency
- Fluorosis
- Epilepsy

Unit – VI:Demography

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

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

Suggested Practical 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 Haemoglobin 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
- Healthy life style
- Family welfare methods
- Health Promotion
- Visit to local area to document environmental assets- river/forest/grassland/hill/mountain
- Visit to a local polluted site- Urban/Rural/Industrial/Agriculture
- Study of common plants, insects, birds
- Study of simple ecosystems- pond, river, hill, slopes, etc.

Method of Teaching: Lecture, Discussion, seminars, Explain using charts, slides

Methods of Evaluation: Tests – Written, reports, written assignments

REFERENCES:

1. Clement, I. (2012),"Manual Of Community Health Nursing", 1st edition, Jaypee Brothers Medical Publishers .
2. G.N.K.Parameshwari. (2015-2016),"Text Book Of Community Health Nursing", 1st edition, Frontline Publications.
3. George, G. (2014),"Text Book Of Communiy Health Nursing",1st edition: ,Jaypee Brothers Medical Publishers.
4. I.Clement. (2009),"Basic Concepts Of Community Health Nursing",2nd edition, Jaypee Brothers Medical Publishers.
5. Karaline, D. (2014),"A Textbook Of Community Health Nursing", Vikas Publishing House Pvt Ltd.
6. Karunagari, D. (2014),"A Textbook Of Community Health Nursing". Vit Med Pvt Ltd.
7. Kumari, N. (2015),"Essentials Of Community Health Nursing",. Choice Books And Printers Pvt Ltd .
8. Manivannan, S. D. (2017),"Text Book Of Community Health Nursing", CBS Publishers And Distributors Pvt Ltd.
9. P.M, T. (2010),Procedures And Theories Of Community Health Nursing",1stedition, Jaypee Brothers Medical Publishers.
10. Ray, S. K. (2016),"Community Nursing Procedure Manual", 1stedition CBS Publishers And Distributors.
11. S.Kamalam.(2017). Essentials In Community Health Nursing Practice .3rdedition:Jaypee Brothers Medical Publishers.
12. Agarwal K.C 2001 Environmental Biology Nidi Pubi Ltd Bikaner
13. BharuchaErach, The biodiversity of India, MapinPublishing Pvt. Ltd, Ahmedabad - 380 013, India, Email: mapin@icenet.net.(R)
14. Brunner R.C 1989, Hazardous Waste Incineration, Mc Graw Hill Inc 480p
15. Clark R.S Marine Pollution, clanderson press Oxford (TB)
16. Cunningham WP Cooper, TH Gorhai E & Hepworth M.T 2001, Environmental Encyc
17. De A.K., Environmental Chemistry, Wiley Eastern Ltd.
18. Down to Earth, Centre for Science and Environment (R)
19. Gleick, H.P.1993 water in crisis, pacific Institute for studies in Dev, Environment & Security Stockholm Env. Institute Oxford Univ. press 473p
20. Hawkins R.E, Encyclopedia of India Natural History, Bombay Natural History Society
21. Heywood. V.H &Waston, R.T 1995 Global Biodiversity Assessment CambridgeUniv Press 1140p
22. Jadhav,11 &Bhosale, V.M 1995 Environmental Protection and Laws Himalaya pub House Delhi 284p

23. Mckinney M.L & School R.M 1996 Environmental Science system & Solutions web enhanced edition 639p
24. Mhaskar A.K Matter Hazardous, Techno – Sciences Publication (TB)
25. Miler T.G. Jr Environmental Sciences, Wadsworth Publishing Co (TB)
26. Odum. E.P 1971 fundamental of Ecology WB Saunders Co USA 574p
27. Rao M.N &Datta A.K 1987 Waste water treatment Oxford & IBH Publication Co. PvtLtd 345p
28. Sharma BK 2001 Environmental chemistry Geol Publ. House. Meerut
29. Survey of the environment, the Hindu (M)
30. Townsend C., Harper J, and Michael Begon, Essential of Ecology, Blackwell Sciences (TB)
31. Trivedi R.K, Handbook of Environmental Laws, Rules Guidelines, Compliances and Standards, Vol I and II, Enviro Media (R)
32. Trivedi R.K and PK Goel, Introduction to air pollution, Techno- Sciences Publication (TB)
33. Wanger K.D 1998 Environmental Management W.B Saunders Co Philadelphia, USA 499p

(M) Magazine
(R) Reference
(TB) Textbook
ypee Brothers, New Delhi, 2003.

COMMUNICATION AND EDUCATIONAL TECHNOLOGY

Subject Code : BSN 206 **Placement: Second year**
Time: Theory – 60 hours **Practical – 30 hours**

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

Learning Objective:
- Describe the communication process
- Identify techniques of effective communication
- Establish effective inter-personal relations with patients, families and co workers
- Develop effective human relations in context of nursing
- Develop basic skill of counseling and guidance
- Describe the philosophy and principles of education

- Explain the teaching learning process
- Demonstrate teaching skill using various teaching methods in clinical, classroom and community settings
- Prepare and used different types of educational media effectively
- Prepare different types of questions for assessment of knowledge, skills and attitudes
- Participate in planning and organizing in service education program
- Teach individuals groups and communities about health with their active Participation

CONTENT

Unit – I: Review of Communication Process

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

Unit – II: Interpersonal relations

- Purpose and types
- Phases
- Barriers and methods of overcoming
- Johari Window

Unit – III: Human relations

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

Unit – IV: Guidance & counseling

- Definition
- Purposes, scope and need
- Basic principles
- Organization of counseling services
- Types of counseling approaches
- Role of preparation of counselor
- Issues for counseling in nursing: students and practitioners

- Counseling process – steps and techniques, tools of counselor
- Managing disciplinary problems
- Management of crisis and referral

Unit – V: Principles of education & teaching learning process

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

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

Unit – VII:Educational media

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

Unit – VIII:Assessment

- Purpose and scope of evaluation and assessment
- Criteria for selection of assessment techniques and methods
- Assessment of knowledge: essay type questions, Short answer questions (SAQ), Multiple choice questions (MCQ)
- Assessment of skills: observation checklist, practical exam, Viva, Objective structured clinical examinations (OSCE)
- Assessment of Attitudes: Attitude scales

Unit – IX:In service education

- Nature and scope of in-service education program
- Organized 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

Unit – X:Information, Education and communication for health (IEC)

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

REFERENCES:

1. B.K.Buttar, N. K.,"A Text Book Of Communication And Educational Technology", S.Vikas & Co.
2. Clement, I. (2008),"Text Book On Communication And Educational Technology", 1St Edition: Emmess Medical Publishers.
3. K.Tryphena Sheeba, M. P. (2014-2015),"Communication And Educational Technology", Frontline Publications.
4. L. Gopi Chandhran, C.Kanniammal (2017),"Essentials Of Communication And Education Technology",1St Edition,CBS Publishers And Distributors Pvt.Ltd.
5. R, P. (2010),"Nursing Communication And Educational Technology", 1St Edition: Jay Pee Brothers , Medical Publishers Pvt.Ltd.
6. Sharma, D. K. (2008),"Communication And Educational Technology", 2ndEdition, Lotus Publishers. Edition ,Jaypee Brothers Medical Publishers.
7. Sharma, M. C. (2013), "Text Book Of Nursing Education" (Communication And Educational Technology)", 1st edition, Jay Pee Brothers , Medical Publishers Pvt.Ltd.
8. Sheeba, K. T. (2009),"Communication And Educational Technology",1St Edition, Frontline Publications.
9. Suresh K Sharma, R. S. (2016), "Communication And Educational Technology Contemporary Pedagogy For Health Care Professionals",.1StEdition, Relx , India Pvt. Ltd.
10. Suresh K Sharma, R. S. (2012),"Communication And Educational Technology In Nursing", Elsevier Publications, A Devision Of Reed Elsevier India Pvt.Ltd .

MEDICAL SURGICAL NURSING (ADULT AND GERIATRICS) – II

Subject Code: BSN 301 **Placement: Third year**
Time: Theory – 120 hours **Practical – 300 Hours**

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

Learning Objectives:
- Describe the etiology, patho-physiology, clinical manifestations, diagnostic measures and management of patients with disorders of Ear Nose and Throat
- Describe the etiology, patho-physiology, clinical manifestations, diagnostic measures and management of patients with disorders of Eye
- Describe the etiology, patho-physiology, clinical manifestations, diagnostic measures and management of patients with neurological disorders
- Describe the etiology, patho-physiology, clinical manifestations, diagnostic measures and management of patients with disorders of female reproductive system
- Describe concepts of reproductive health and family welfare programme
- Describe the etiology, patho-physiology, clinical manifestations, diagnostic measures and management of patients with oncology
- Describe organization of emergency and disaster care services
- Describe the role of nurse in disaster management
- Describe the role of nurse in management of common Emergencies
- Explain the concept and problems of aging
- Describe nursing care of the elderly
- Describe organization of critical care units
- Describe the role of nurse in management of patients critical care units

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 and 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,

otoselerosis, mastoiditis, tumours

- Inner ear – Menier"s, Disease, labyrinthitis, ototoxicity, tumours
- Upper airway infections – Common cold, sinusitis, ethinitis, rhinitis, pharyngitis adenoiditis, peritonsilarabscess, 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

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 and surgical nursing management of eye disorders:
- Refractive errors
- Eyelids-infection, tumours and deformities
- Conjunctiva-inflammation and infection, bleeding
- Cornea-inflammation and infection
- Lens-Cataracts
- Glaucoma
- Disorder of the uveal tract
- Ocular tumours
- Disorders of posterior chamber and retina: Retinal and vitreous problems
- Retinal detachment
- Ocular emergencies and their prevention
- Blindness
- National blindness control program
- Eye banking
- Eye prostheses and Rehabilitation
- Role of nurse – Communication with visually impaired patient,
- Eye camps
- Special therapies

- Nursing procedures
- Drugs used in treatment of disorders of eye

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 and surgical nursing management of neurological disorders:
- Congenital malformations
- Headache
- Head injuries
- Spinal injuries
- Paraplegia
- Hemiplegia
- Quadriplegia
- Spinal cord compression-herniation of intervertebral disc
- Tumours of the brain and spinal cord
- Intra cranial and cerebral aneurysms
- Infections:
- Meningitis, Encephalitis, Brain abscess, neuro cysticercosis
- Movement disorders
  - Chorea
  - Seizures
  - Epilepsies
- Cerebro Vascular Accidents (CVA)
- Cranial, Spinal Neuropathies – Bells'spalsy trigeminal neuralgia
- Peripheral Neuropathies; Guillain – Barr'e Syndrome
- Myasthenia gravis
- Multiple sclerosis
- Degenerative diseases
- Delirium
- Dementia
- Alzheimer's disease
- Parkinson's disease
- Management of unconscious patients and patients with stroke
- Role of the nurse in communicating with patient having neurological deficit
- Rehabilitation of patients with neurological deficit

- Role of nurse in long stay facility (institutions) and at home
- Special therapies
- Nursing procedures
- Drugs used in treatment of neurological disorders

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, treatmentmodalities and medical and 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; Menorrhagia, Metrorrhagia
- Pelvic inflammatory Disease
- Ovarian and fallopian tube disorders: infections, cysts, tumours
- Uterine and cervical disorders: Endometriosis, Polyps, Fibroids, cervical and uterine tumours, uterine displacement, Cystocele/urethrocele/Rectocele
- Vaginal disorders: infections, and discharges, fistulas
- Vulval disorders: Infections, cysts, tumours
- Disorders of Breast: Deformities, Infections, cysts and tumours
- Menopause and Hormonal Replacement Therapy
- Infertility
- Contraception: Types Methods, Risks and effectiveness
- Spacing methods
- Barrier methods, Intra Uterine Devices, Hormonal, Post conceptional Methods etc.
- Terminal methods
- Sterilization
- Emergency contraception methods
- Abortion – Natural, Medical and surgical abortion – MTP Act
- Toxic shock syndrome
- Injuries and trauma : Sexual violence
- Special therapies
- Nursing procedures

- Drugs used in treatment of gynaecological disorders
- National family welfare programme

Unit – V:Nursing Management of patients with Burns, reconstructive and cosmetic surgery

- Review of anatomy and physiology of the skin and connective tissues andvarious deformities
- Nursing Assessment-History and Physical assessment and Assessment of burns and fluid electrolyte loss
- Etiology, Classification, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical and surgical nursing management of Burns and Re-constructive and cosmetic surgery
- Types of Re-constructive and Cosmetic Surgery; for burns, congenital deformities, injuries and cosmetic purposes
- Role of Nurse
- Legal aspects
- Rehabilitation
- Special therapies
- Psycho social aspects
- Nursing procedures
- Drugs used in treatment of Burns, reconstructive and cosmetic surgery

Unit – VI: Nursing management of patients with oncological conditions

- Structure and characteristics of normal and 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 and surgical nursing management of oncological conditions
- Common malignancies of various body systems; Oral, larynx, lung, Stomach and Colon, Liver, Leukemias and Lymphomas, Breast, Cervix, Ovary, Uterus,Sarcoma, Brain, Renal, Bladder, Prostate etc.
- Oncological emergencies
- Modalities of treatment
- Immunotherapy
- Chemotherapy
- Radiotherapy
- Surgical Interventions
- Stem cell and Bone marrow transplants

- Gene therapy
- Other forms of treatment
- Psychosocial aspects of cancer
- Rehabilitation
- Palliative care; Symptom and Pain Management, Nutritional support
- Home care
- Hospice care
- Stomal therapy
- Special therapies
- Psycho social aspects
- Nursing procedures

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
- Earth quakes, Floods, Epidemics, cyclones
- Fire, Explosion, Accidents
- Violence, Terrorism; bio-chemical, War
- Policies related to emergency/disaster management; International, national, state, institutional
- Disaster Preparedness:
- Team, Guidelines, protocols, Equipments, Resources
- Coordination and involvement of; Community, various govt. department, non-govt. organizations and International agencies
- Role of nurse working
- Legal aspects of Disaster Nursing
- Impact on Health and after effects; Post Traumatic Stress Disorder
- Rehabilitation; physical, Psycho social, 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 and 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

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 and elderly
- Stress and coping in older adults
- Common Health Problems & Nursing Management;
- Cardiovascular, Respiratory, Musculoskeletal
- Endocrine, genito-urinary, gastrointestinal
- Neurological, skin and other sensory organs
- Psychosocial and Sexual

- Abuse of elderly
- Role of nurse for care of elderly: ambulation, nutritional, communicational, psychosocial and spiritual
- Role of nurse for care givers of elderly
- Role of family and formal and non formal caregivers
- Use of aids and prosthesis (hearing aids, dentures,]
- Legal and Ethical Issues
- Provisions and Programmes for elderly; privileges, Community Programs and health services;
- Home and institutional care

Unit – IX: Nursing management of patient in critical care units:

- Nursing Assessment-History and Physical assessment
- Classification
- Principles of critical care nursing
- Organization; Physical setup, Policies, staffing norms,
- Protocols, equipments and supplies
- Special equipments; ventilators, cardiac monitors, defibrillators, Resuscitation equipments
- Infection Control Protocols
- Nursing management of critically ill patient;
- Monitoring of critically ill patient;
- CPR-Advance Cardiac Life support
- Treatments and procedures
- Transitional care
- Ethical and Legal Aspects
- Communication with patient and family
- Intensive care records
- Crisis Intervention
- Death and Dying-coping with
- Drugs used in critical care unit

Unit X: Nursing Management of patients adults including elderly with Occupational and Industrial disorders:

- Nursing Assessment – History and Physical assessment
- Etiology, Pathophysiology, clinical manifestation,
- Diagnosis, treatment modalities and medical & surgical nursing
- management of Occupational and industrial health disorders
- Role of nurse

- Special therapies, alternative therapies
- Nursing procedures
- Drugs used in treatment of
- Occupational and Industrial disorders

Method of Teaching
Lecture, Discussion, seminars
Explain using charts, slides

Methods of Evaluation
Tests – Written, reports, written assignments

REFERENCES:

1. Sharon L.Lewis, "Medical Surgical Nursing Assessment And Management Of Clinical Problems".
2. Linda .S. William, "Understanding Medical Surgical Nursing" 5th edition,Jaypee Brothers Publication.
3. Donna D Ignatavicius, M. Lind Workman, "Medical Surgical Nursing Patient Centered Collaborative Care", 7th Edition.
4. William "Basic Geriatric Nursing", Elsevier Publication, 6th Edition.
5. Le More P. Burke K.M Bauldolf,Gubrud.P, "Medical Surgical Nursing", Critical Reasoning In Patient Care", Pearson Publication, 6th Edition.
6. S.N Chugh"Medical Surgical Nursing",AvichalPublishing Company.
7. Lewis,"Medical Surgical Nursing", Mosby Publication, 6th Edition.
8. Long Phipps "Medical Surgical Nursing Process Approach", 3rd Edition, Allison Miller Publications.
9. Phipps "Medical Surgical Nursing Health Illness Perspective", Mosby Publication.
10. Janice L. Hinkle "Medical Surgical Nursing",Wolker Kluwer publication South Asian 13th Edition.

MEDICAL SURGICAL NURSING (ADULT AND GERIATRICS) – II

PRACTICALS **Subject Code : BSN 301**
Time : Theory – 120 hrs. **Placement : Third Year** **Practical – 300 hrs.**

OBJECTIVES
- Provide care to patients with ENT disorders
- Counsel and educate patient and families
- Provide care to patients with Eye disorders

- Counsel and educate patient and families
- Provide care to patients with neurological disorders
- Counsel and educate patient and families
- Provide care to patients with gynecological disorders.
- Counsel and educate patient and families
- Provide care to patients with Burns
- Counsel and educate patient and families
- Provide care to patients with cancer
- Counsel and educate patient and families
- Provide care to critically ill patients
- Counsel patient and families for grief and bereavement

Suggested Practicals

Unit I: ENT

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

Unit II:Ophthalmology

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

Unit III:Neurology

- Perform Neurological Examinations
- Use Glasgow coma scale
- Assist with diagnostic procedures
- Assist with therapeutic procedures
- Teach patients & families

- Participate in rehabilitation program

Unit IV:Gynecology Ward

- Assist with gynecological Examinations
- Assist with diagnostic procedures
- Assist with therapeutic procedures
- Teach patients families
- Teaching self breast examination
- Assist with PAP smear collection

Unit V: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 and families
- Participate in rehabilitation program

Unit VI:

- Oncology Unit
- Screen for common cancers – TNM classification
- Assist with diagnostic procedures
- Biopsies
- Pap smear
- Bone-marrow aspiration
- Breast examination
- Assist with therapeutic procedures
- Participates in various modalities of treatment
- Chemotherapy

- Radiotherapy
- Pain management
- Stomaltherapy
- Hormonal therapy
- Immuno therapy
- Gene therapy
- Alternative therapy
- Participate in palliative care
- Counsel and teach patients families
- Self breast examination
- Warning signs
- Participate in rehabilitation program

Unit VII :Critical Care Unit

- Monitoring of patients in ICU
- Maintain flow sheet
- Care of patient on ventilators
- Perform Endotracheal suction
- Demonstrates use of ventilators, cardiac monitors etc.
- Collect specimens and interprets ABG analysis
- Assist with arterial puncture
- Maintain CVP line
- Pulse oximetry
- CPR-ALS
- Defibrillators
- Pace makers
- Bag-mask ventilation
- Emergency tray/trolley-Crash Cart
- Administration of drugs
- Infusion pump
- Epidural
- Intra thecal
- Intracardiac
- Total parenteral therapy
- Chest physiotherapy
- Perform active & passive exercises
- Counsel the patient and family in dealing with grieving and bereavement

Unit VIII:Casualty / Emergency:

- Practice "triage"
- Assist with assessment, examination, investigations & their
- interpretations, in emergency and disaster situations
- Assist in documentations
- Assist in legal procedures in emergency unit
- Participate in managing crowd
- Counsel patient and families in grief and bereavement

Internship:

Area	Duration (in week)	Objective	Skills	Assessment
Medical ward	2	Provide comprehensive care to patients with medical and surgical	Integrated Practice	Assess clinical Performance with rating scale
Surgical ward	2	Conditions including emergencies		
Critical care Unit/ ICCU	1	Assist with common operations		
Casualty / Emergency	2			
Operation Theatre (Eye, ENT, Neuro)	2			

CHILD HEALTH NURSING

Subject Code: BSN302 **Placement : Third Year**
Time : Theory – 90 Hours **Practical – 270 Hours**
Internship--145Hours

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

Learning Objective

- Explain the modern concept of child care & principles of child health nursing
- Describe national policy, programs and legislation in relation to child health and welfare

- List major causes of death during infancy, early & late childhood
- Describe the major functions ad role of the pediatric nurse in caring for ahospitalized child
- Describe the principles of pediatric nursing
- Describe the normal growth & development of children at different ages
- Identify the needs of children at different ages & provide parental guidance
- Identify the Nutritional needs of children at different ages and ways of meeting the needs
- Appreciate the role of play for normal & sick children
- Appreciate the preventive measures and strategies for children
- Provide care to normal & high risk neonates
- Perform neonatal resuscitation
- Recognize and manage common neonatal problems
- Provide nursing care in common childhood diseases
- Identify measures to prevent common childhood diseases including immunization
- Manage the child with behavioural& social problems
- Identify the social & welfare services for challenged children

CONTENT

Unit I:Introduction

- Modern Concepts of Childcare
- Internationally accepted right of the child
- National policy and legislations in relation to child health and welfare
- National programmes related to child health and welfare
- Agencies related to welfare services to the children
- Changing trends in hospital care, preventive, promotive and curative aspects of child health
- Child morbidity and mortality rates
- Differences between an adult and child
- Impact of hospitalization on the child and family
- Grief and bereavement
- The role of a pediatric nurse in caring for a hospitalized child
- Principles of pre and post operative care of infants and children
- Child Health Nursing procedures

Unit II:The Healthy Child

- Principles of growth and development
- Factors affecting growth & development

- Growth and development from birth to adolescence
- The needs of normal children through the stages of developmental and parental guidance
- Nutritional needs of children & infants: breast feeding, exclusive breast feeding supplementary/artificial feeding and weaning
- Baby friendly hospital concept
- Accidents: causes and prevention
- Value of play and selection of play material
- Preventive immunization, immunization programme and cold chain
- Preventive pediatrics
- Care of under five& under five clinics/well baby clinics

Unit III:Nursing Care of a Neonate

- Nursing care of a normal newborn/essential newborn care
- Neonatal resuscitation
- Nursing management of a low birth weight baby
- Kangaroo mother care
- Nursing management of common neonatal disorders
- Organization of neonatal unit
- Identification & nursing management of common congenital malformations

Unit IV:Integrated management of neonatal and childhood illnesses (IMNCI)

Unit V:Nursing management in common childhood diseases

- Nutritional deficiency disorders
- Respiratory disorders and infections
- Gastrointestinal infections, infestations and congenital disorders
- Cardio vascular problem: congenital defects and rheumatic fever rheumatic heart disease
- Genito-urinary disorders: Acute Glomerulo Nephritis, Nephrotic syndrome, Wilms' tumor, infection and congenital disorders.
- Neurological infections and disorders: convulsions, epilepsy, meningitis, hydrocephalus, spinabifida
- Hematological disorders: Anemias, thalassemia, ITP, Leukemia, hemophilia
- Endocrine disorders: Juvenile diabetes mellitus
- Orthopedic disorders: club feet, hip dislocation and fracture.
- Disorders of skin, eye and ears
- Common communicable diseases in children, their identification, nursing management in hospital and home and prevention

- Child Health emergencies: poisoning, foreign bodies, hemorrhage, burns and drowning
- Nursing care of infant and children with HIV/AIDS

Unit VI:Management of behavioral & social problems in children

- Management of common behavioral disorders
- Management of common psychiatric problems
- Management of challenged children: Mentally, physically, &
- socially challenged
- Welfare services for challenged children in India
- Child guidance clinics

Methods of Teaching:

- Lecture with discussions
- Clinical presentations
- Demonstration
- Field visits
- Observation of children

Methods of Evaluation:

- Written assignment and tests
- Evaluation of clinical experience and Nursing care study
- Care study evaluation
- Practical and oral tests

REFERENCES:

1. ParulDatta (2014), "Pediatric Nursing", 3rd edition, Jaypee Brothers Medical publishers (P)ltd.
2. Piyush Gupta (2014), "Essential paediatric nursing" ,4th Edition, CBS Publishers & Distributors Pvt.Ltd.
3. K.N.Agarwal (2010), "Textbook of paediatrics", 1stedition, Anne books pvt.ltd.
4. Achar's (2009), "Textbook of paediatrics", 4thedition, Universities Press Private Limited.
5. OP Ghai , Vinod K Paul, Arvind Bagga (2010),"Essential paediatrics",7th Edition, CBS Publishers & Distributors Pvt.Ltd.
6. Marylin Hockenberry& David Wilson (2011),"Wong's Nursing care of infants and children",9th edition, Elsevier publication.
7. Tambulwadler (2014),"Paediatric nursing", 3rd edition , Vora publication.
8. Suraj Gupta (2013),"The Shortbook of pediatrics" 11th edition, Jaypee Brothers Medical publishers (P)ltd.

9. Meharban Singh (2010),"Care of Newborn",8th edition, CBS Publishers & Distributors Pvt.Ltd.
10. Dorathy. R. Marlow & Barbara A. Redding (2013), "Textbook of Pediatric Nursing (South Asian edition)",1st edition, Elsevier Publications.
11. David Wilson (2011), "Wong's Clinical Manual of Pediatric Nursing",8thedition, Elsevier Publications.

CHILD HEALTH NURSING – PRACTICALS

Subject Code : BSN302 **Placement: Third year**
Practical-270Hrs **Internship- 145Hrs**

Objectives:

- Provide nursing care to children with various medical disorders
- Counsel and educate parents
- Recognize different pediatric surgical conditions/ malformations
- Provide pre and post operative care to children with common paediatric surgical conditions malformation
- Counsel and educate parents
- Perform assessment of children: Health, Developmental and Anthropometric
- Perform Immunization
- Give Health Education/Nutritional Education
- Provide nursing care to critically ill children

Suggested practicals

Pediatric Medicine ward

- Taking pediatric History
- Physical examination and assessment of children
- Administer of oral, I/M and IV medicine/fluids
- Calculation of fluid requirements
- Prepare different strengths of I.V. fluids
- Apply restraints
- Administer O2 inhalation by different methods
- Give baby bath
- Feed children by Katori spoon etc.
- Collect specimens for common investigations
- Assist with common diagnostic procedures
- Teach mothers/parents
- Malnutrition

- Oral rehydration therapy
- Feeding and Weaning
- Immunization schedule
- Play therapy
- Specific Disease conditions

Pediatric Surgery Ward

- Calculate, prepare and administer I/V fluids
- Do bowel wash
- Care of ostomies
- Colostomy irrigation
- Ureterostomy
- Gastrostomy
- Enterostomy
- Urinary catheterization and drainage
- Feeding
- Naso-gastric
- Gastrostomy
- Jejunostomy
- Care pf surgical wounds
- Dressing
- Suture removal

Pediatric OPD/Immunization room

- Assessment of children
- Health assessment
- Developmental assessment
- Anthropometric assessment
- Immunization
- Health/Nutritional Education

Pediatric medicine and surgery ICU

- Care of baby in incubator/warmer
- Care of a child on ventilator
- Endotracheal suction
- Chest physiotherapy
- Administer fluids with infusion pump
- Total parental nutrition
- Photo therapy
- Monitoring of babies
- Cardio pulmonary Resuscitation

Internship :

Area	Duration (in weeks)	Objective	Skills	Assessment
Pediatric medicine ward / ICU	1	Provide Comprehensive care to Children with medical conditions	Integrated Practice	Assess clinical performance with rating scale
Pediatric Surgery ward / ICU	1	Provide Comprehensive care to Children with surgical conditions	Integrated practice	Assess clinical performance with Rating scale
NICU	1	Provide intensive care to neonates	Integrated practice	Assess clinical performance with Rating scale

MENTAL HEALTH NURSING

Subject Code: BSN303 **Placement: Third Year**
Time: Theory – 90 Hours **Practical – 270 Hours**

COURSE DESCRIPTION:

This course is designed for developing an understanding of the modern approach to mental health, identification, prevention and nursing management of common mental health problems with special emphasis on therapeutic interventions for individuals, family and community.

LEARNING OBJECTIVE:

- Describes the historical development & current trends in mental health nursing.
- Describe the epidemiology of mental health problems
- Describe the National Mental Health Act, programmes and mental health policy.
- Discusses the scope of mental health nursing.
- Describe the concept of normal & abnormal behaviour.
- Defines the various terms used in mental health nursing.
- Explains the classification of mental disorders.
- Explain psycho dynamics of maladaptive behaviour.
- Discuss the etiological factors, psychopathology of mental disorders.

- Explain the principles and standards of mental health nursing.
- Describe the conceptual models of mental health nursing.
- Describe nature, purpose and process of assessment of mental health status.
- Identify therapeutic communication techniques.
- Describe therapeutic relationship.
- Describe therapeutic impasse and its intervention.
- Explain treatment modalities and therapies used in mental disorders and role of the nurse.
- Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients with Schizophrenia, and other psychotic disorders.
- Describe the etiology, psychopathology, clinical manifestations, diagnostic\ criteria and management of patients with mood disorders.
- Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients with neurotic, stress related and somatization disorders.
- Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients with substance use disorders.
- Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of patients with personality, sexual and eating disorders.
- Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of childhood disorders including mental deficiency.
- Describe the etiology, psychopathology, clinical manifestations, diagnostic criteria and management of criteria and management of organic brain disorders.
- Identify psychiatric emergencies and carry out crisis intervention.
- Explain legal aspects applied in mental health settings and role of the nurse.
- Describe the model of preventive psychiatry.
- Describes community mental health services and role of the nurse.

CONTENT

Unit I: Introduction

- Perspectives of mental health and mental health nursing: evolution of mental health services, treatments and nursing practices.
- Prevalence and incidence of mental health problems and disorders.
- National mental health act: Act, sections, articles and their implications etc.
- 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.

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 and 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

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 and responsibilities of nurse

Unit IV:Therapeutic Communication and Nurse-Patient Relationship

- Therapeutic communication: Types, techniques, characteristics.
- Types of relationship
- Ethics and responsibilities
- Elements of nurse patient contract
- Review of technique of IPE – Johari Window
- Goals, phases, tasks, therapeutic techniques
- Therapeutic impasse and its intervention

Unit V:Treatment Modalities and Therapies used in Mental Disorders

- Psycho Pharmacology
- Psychological therapies: Therapeutic community, psychotherapy
- Individual: psycho-analytical, cognitive and supportive, family, group behavioural, play, psycho-drama, music, dance, recreational and light therapy, relaxation therapies: yoga, meditation, bio feedback
- Alternative systems of medicine
- Occupational Therapy
- Physical Therapy: electro convulsive therapy
- Geriatric considerations
- Role of nurse in above therapies

Unit VI:Nursing management of patient with Schizophrenia, and other psychotic disorders

- Classification: ICD
- Etiology, psycho-pathology, 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

Unit VII:Nursing management of patient with mood disorders

- Mood disorders: Bipolar affective disorder: Mania and depression and dysthymia
  Etiology, psycho-pathology, clinical manifestations, diagnosis, Nursing assessment-history, physical and mental assessment
  Treatment modalities and nursing management of patients with mood disorders Geriatric considerations
- Follow-up and home care and rehabilitation

Unit VIII:Nursing management of patient with neurotic, stress related and somatization disorders

- Anxiety disorder, phobias, dissociation and conversion disorder, obsessive compulsive disorder, somatoform disorders, post traumatic stress disorder
- Etiology, psycho-pathology, clinical manifestations, diagnosis,
- Nursing assessment-history, physical and mental assessment
- Treatment modalities and nursing management of patients with neurotic, stress related and somatization disorders
- Geriatric considerations

- Follow-up and home care and rehabilitation

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

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

Unit XI:Nursing management of childhood and adolescent disorders including mental deficiency

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

Unit XII:Nursing management of organic brain disorders

- Classification: ICD
- Etiology, psycho-pathology, clinical features, diagnosis and differential diagnosis (Parkinsons and Alzheimers).
- Nursing assessment-history, physical, mental and neurological assessment
- Treatment modalities and nursing management of organic brain disorders
- Geriatric considerations
- Follow-up and home care and rehabilitation

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 counseling
- Types of crisis
- Crisis intervention: principles, techniques and process
- Geriatric considerations
- Role and responsibilities of nurse

Unit XIV:Legal issues in mental health nursing

- The mental health act 1987: Act, Sections, Articles and their implications etc.
- Indian lunacy act 1912
- Rights of mentally ill clients
- Forensic psychiatry
- Acts related to narcotic and psychotropic substances and illegal drug trafficking
- Admission and discharge procedures
- Role and responsibilities of nurse

Unit XV:Community Mental Health Nursing

- Development of community mental health services
- National mental health programme
- Institutionalization versus deinstitutionalization
- Model of preventive psychiatry: levels of prevention
- Mental health services available at the primary, secondary, tertiary levels including rehabilitation and role of nurse
- Mental health agencies: Government and voluntary, national and international
- Mental health nursing issues for special populations: children, adolescence, women, elderly, victims of violence and abuse, handicapped, HIV/AIDS etc.

Method of Teaching:

- Lecture, Discussion, Clinical Experience, Nursing Conferences& Nursing Care studies.

Method of Evaluation:

- Written Tests Practical & Oral Test, Individual Assignments.

REFERENCES:

1. R. Sreevani(2012), "A Guide To Mental Health and Psychiatric Nursing", 4th edition, Jaypee publication.
2. Mary C. Town Send (2012), "Psychiatric Mental Health Nursing", 6th edition, Jaypee pub.
3. Dr. Lalitha. K. (2009),"Mental health and psychiatric nursing", An Indian perspective, 1st edition. Banglore: VMG Book House.
4. K.P. Neeraja(2011),"Essentials Of Mental Health and Psychiatric Nursing", Vol-I,II, JB Brothers publications.
5. Benjamin J. Sadock, Harold I. Kaplan, Virginia A. Sadock, (2007). "Kaplan &Sadock's Synopsis of Psychiatry: Behavioral Sciences/Clinical Psychiatry", 10th edition, Philadelphia: Lippincott Williams & Wilkins.
6. Niraj Ahuja(2012), "A short text book of psychiatry", 5th edition, Jaypee brothers medical publications.
7. Dr. Bimla Kapoor. (2007),"Textbook of Psychiatric Nursing", volume I & II, 2nd edition, New Delhi: Kumar Publishing House.
8. Alphonsa Jacob,(1999) "Hand book of Psychiatry Nursing", 1st edition, vilcar publishing house.
9. Elizabeth M V. (1998),"Foundation of Psychiatric Health Nursing", 3rd edition, Philadelphia: W.B.Saunders Company.
10. Churchill Livinstone Freedman A.M. (1962),"Comprehensive Textbook of Psychiatry", 1st edition, Philadelphia; Lippincott Williams and Wilkins Company.

MENTAL HEALTH NURSING

Subject Code:MSN 303 **Practical – 270 Hours (9weeks)**
Placement: Third Year

OBJECTIVES

- Assess patients with mental health problems
- Observe and assist in therapies
- Counsel and educate patient, and families
- Assessment of children with various mental health problems
- Counsel and educate children, families and significant others
- Assess patients with mental health problems
- To provide nursing care for patients with various mental health problems
- Assist in various therapies
- Counsel and educate patients, families and significant others

- To identify patients with various mental disorders
- To motivate patients for early treatment and follow up
- To assist in follow up clinic
- Counsel and educate patient, family and community

Suggested Practicals

Unit I: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

Unit II:Child Guidance Clinic

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

Unit III:Inpatient Ward

- History taking
- Perform mental status examination (MSE)
- Perform neurological examination
- Assist in psychometric assessment
- Record therapeutic communication
- Administer medications
- Assist in electro convulsive therapy (ECT)
- Participate in all therapies
- Prepare patients for activities of daily living (ADL)
- Conduct admission and discharge counseling
- Counsel and teach patients and families

Community psychiatry:

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

Internship:

Area	Duration	Objective	Skills	Assessment
Psychiatry ward	2 weeks	Provide comprehensive care to patients with mental health problems	Integrated Practice	Assess clinical performance with rating scale

NURSING RESEARCH AND STATISTICS

Subject Code: BSN 304 Placement: III Year Theory: 60 Hrs
Practical(Internship) :45 Hrs

Course Description:
This course is designed to enable students to develop 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.

Overall Objective:
The student is able to use simple basic principles and methods of biostatics and research methods in nursing practice and understand the use of computer in nursing education and practice.

Bahavioural Objectives:
The student is able to
1. Explain the basic concepts, principles and methods of biostatics and scientific enquiry.
2. Appreciate the importance of scientific enquiry in the practice of nursing.
3. Conduct simple field study in a clinical area using the knowledge of research and statistical methods.
4. State the definition and basic principles of research
5. Explain the purposes and objectives of nursing research

CONTENT
Unit I: Research and research process
Introduction and need for nursing research Definition of research and nursing research Steps of scientific method Characteristics of good research Steps of research process – overview

Unit II: Research problem / Question
Identification of problem area Problem statement Criteria of a good research problem Writing objectives

Unit III: Review of Literature
Location Sources On line search; CINHAL, COCHRANE etc Purposes Method of review

Unit IV: Research approaches and designs
Historical, survey and experimental Qualitative and quantitative designs

Unit V: Sampling and data collection
Definition of population, sample, sampling criteria, Factors influencing sampling process, types of sampling Techniques.

Data – why, what, from whom, when and where to collect. Data collection methods and instruments Methods of data collection Questioning, interviewing Observations, record analysis and measurement Types of instruments Validity and reliability of the instrument Pilot study Data collection procedure

Unit VI: Analysis of data
Compilation, tabulation, classification, summarization Presentation, interpretation of data

Unit VII: Introduction to statistics
Definition, use of statistics, scales of measurements
Frequency distribution and graphical presentation of data
Mean, Median, Mode, standard deviation
Normal probability and tests of significance
Co-efficient of correlations
Statistical packages and its application

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

REFERENCES:

1. Basavanthappa BT., "Nursing Research",Jaypee brothers Medical Publishers,New Delhi,2010, 1st Edition, Reprint.
2. ManojKumar Yadav, "Text book of Nursing Research",Lotus Publishers,Jalandhar city,2009, 1st Edition,August.
3. SukhpalKaur,Amarjeet Singh, "Simplified Nursing Research&Statistics for Undergraduates",CBS Publishers&Distributors Pvt Ltd, New Delhi, 1st Edition,2016.
4. Denise F.polit,Cheryl Tatano Beck,Bernadette P.Hungler, "Essentials of nursing Research Methods,Appraisal and utilization," 5th Edition,Lippincott,Philadelphia,2001.
5. Geri Lobiondo-Wood,Judith haber, "Nursing Research, Methods, Critical Appraisal and Utilization", 5th Edition,Mosby,Missouri,2002.
6. Denise F.Polit,PhD,Bernadette P.hungler,RN.,PhD, "Nursing Research Principles and Methods",Lippincott,Phildephia,6th edition,1999.
7. Bharat pareek.,shivani Sharma, "A Text book of Nursing Research &Statistics",S.Vikas&Company(Medical Publishers),India,2011,1st edition.
8. Vaishali, "Handbook Of Nursing Research And Biostatistics," Jaypee brothers Medical Publishers,New Delhi,2010, 1st Edition Reprint.
9. Purusothama, "Nursing Research Statistics", Jaypee Brothers Medical Publishers, New Delhi, 1st Edition,2014.
10. Rose Marie Nieswiadomy, "Foundation Of Nursing Research", Lotus Publishers,Jalandhar city,6th Edition,April 2016

MIDWIFERY AND OBSTETRICAL NURSING

Subject Code: BSN 401 **Placement : IV Year**
Theory : 90 Hrs **Practical : 180 Hrs**
Internship: 420 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 programmes.

Overall Objective:

The student is able to assess the physical and psychosocial aspects of the child bearing women, the family and the new born, plans, implements and evaluate the care given by using the resources effectively in any setting.

Behavioural Objectives:

The student is able to

1. Describe conception and the change that take place during pregnancy and physiology of normal labour and puerperium.
2. Determine pregnancy status, duration of pregnancy, presentation, position of foetus and foetal heart rate.
3. Conduct prenatal MCH clinic independently.
4. Identify the deviation from normal pregnancy, labour and puerperium.
5. Give total care to normal and high risk women during pregnancy, labour and puerperium.
6. Appraise the new born, identify the high risk new born and provide suitable intervention.
7. Provide appropriate intervention in emergency situations in obstetrics.
8. Assist in conducting abnormal delivery.
9. Guide and supervise the auxillary health personnel in the care of mother and baby in any setting.
10. Guide the health personnel in the care of mothers and baby.
11. Take active part in family welfare programme.
12. Conduct normal delivery and provide family centred care in the community.

CONTENT

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

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 genitalia, internal genital organs and their anatomical relations, musculature – blood supply, nerves, lymphatics, pelvic cellular tissue, pelvic peritoneum. Physiology of menstrual cycle

Human sexuality Foetal development

- Conception
- Review of fertilization, implantation (embedding of the ovum),
- development of the embryo and placenta at term – functions,
- abnormalities, the foetal sac, amniotic fluid, the umbilical chord.
- Foetal circulation, foetal skull, bones, sutures and measurements.
- Review of Genetics

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
- Skeletal 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 of previous child birth

- Relationship of foetus to uterus and pelvis – Lie, attitude
- Presentation, position
- Per vaginal examination

Screening and assessment for high risk, Risk approach History and physical examination Modalities of diagnosis, invasive and noninvasive, ultrasonics, Cardiotomography, NST, CST

- Antenatal preparation
- Antenatal counselling
- Antenatal exercises
- Diet
- Substance use
- Education for child birth
- Husband and families
- Preparation for safe – confinement
- Prevention from radiation
- Psycho – social and cultural aspects of pregnancy
- Adjustment to pregnancy
- Unwed mother
- Single parent
- Teenage pregnancy
- Sexual violence
- Adoption

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, woman
Assessment and observation of women in labour, partogram
- maternal and foetal monitoring
Active management of labour, induction of labour
Pain relief and comfort in labour
Second stage
Signs and symptoms normal and abnormal Duration
Conduct of delivery, principles and techniques
Episiotomy (only if required)

Receiving the new born
Neonatal resuscitation, initial steps and subsequent resuscitation
Care of umbilical cord
Immediate assessment including screening for congenital anomalies
Identification
Bonding
Initiate feeding
Screening and transportation of the neonate
Third stage
Signs and symptoms, normal and abnormal
Duration
Method of placental expulsion
Management, principles and techniques
Examination of the placenta
Examination of perineum
Maintaining records and reports
Fourth stage

Unit V: Assessment and Management of Women During Post Natal Period
Normal puerperium, physiology duration
Post natal 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

Unit VI: Assessment and Management of Normal Neonates
Normal neonates
Physiological adaptation
Initial and daily assessment
Essential new born care, thermal control
Breast feeding, prevention of infections
Immunization
Minor disorders of new born and its management
Levels of neonatal care (Level I, II &III)
At primary, secondary and tertiary levels
Maintenance of reports and records

Unit VII: High Risk Pregnancy – Assessment and Management

Screening and assessment
Ultrasonics, cardiotomography, NST, CST, non invasive and 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 and diabetes, toxemia of
Pregnancy, hydramnios
Rh incompatibility
Mental disorders
Adolescent pregnancy, elderly primi and grand multipara
Multiple pregnancy
Abnormalities of placenta and cord
Intra – uterine growth retardation
Nursing management of mothers with high risk pregnancy
Maintenance of records and report

Unit VIII: Abnormal Labour – Assessment and Management

Disorders in labour
CPD and contracted pelvis
Malpositions and malpresentations
Premature labour, disorders of uterine actions – precipitate
Labour, prolonged labour
Complications of third stage – injuries to birth canal
Obstetrical emergencies and their management
Presentation and prolapse of cord, vasa praevia, amniotic fluid
Embolism, rupture of uterus, shoulder dystocia, obstetrical shock
Obstetrical procedures and operations
Induction of labour, forceps, vaccum version, manual removal of placenta,
Caesarean section, destructive operations

Nursing management of women undergoing obstetrical operations and procedures

Unit IX: Abnormalities During Post Natal Periods
Assessment and management of woman with postnatal complications
Puerperial infections, breast engorgement and infections, UTI
Thrombo – embolic disorders post partumhaemorrhage, eclampsia
And sub involution
Psychological complications
Post partum blues
Post partum depression
Post partum psychosis

Unit X: Assessment and Management of High Risk New Born
Admission of neonates in the neonatal intensive care units protocol
Nursing management of :Low birth weight babies Infections
Respiratory problems
Haemolytic disorders
Birth injuries
Malformations
Monitoring of high risk neonates
Feeding of high risk neonates
Organisation and management of neonatal intensive care units
Infection control in neonatal intensive care units
Maintenance of reports and records

Unit XI:Pharmaco – Therapeutics in Obstetrics
Indication, dosage, action, contra indication and side effects of drugs
Effect of drugs on pregnancy, labour and puerperium
Nursing responsibilities in the administration of drug in obstetrics-
Oxytocins, antihypertensives, diuretics, to colytic agents,
Anti convulsants
Analgesics and anesthesics in obstetrics
Effects of maternal medication on foetus and neonate

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 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
Counselling for family welfare
Latest research in contraception
Maintenance of vital statistics
Role of national, international and voluntary organizations
Role of a nurse in family welfare programme
Training / supervision / collaboration with other functionaries in
Community like ANMs, LHVs, Anganwadi workers, TBAs
(traditional birth attendant – Dai)

Method of Teaching :
Lecture, Discussion, seminars
Explain using charts, slides

Methods of Evaluation
Tests – Written, reports, written assignments

REFERENCES:

1. Dc Dutta's, "Text Book of Obstetrics", Jaypee Publishers 8thEdition 2015.
2. Bhargava, "Obstetrics Anebose", 2ndEdition.
3. Usha Sharma, "Clinical Updates n Obstetrics ndGynaecology", CBS publication, 1stEdition, 2016.
4. Btbasavanthappa, "Essentials of Midwifery&Obstetrical Nursing",Jaypee Publishers 2nd Edition 2011.
5. Reena J Wani, "Text Book of Midwifery for Nurses as Per INC" CBS Publishers, 1stEdition,2017.
6. BanasreeBhadra, "Gynaecologyfor Nurses", Jaypee Publishers, 1stEdition, 2016.
7. Marshall Raynor,"Myles Text Book for Midwifery", Elsevier Publishers 16th edition 2014.
8. DaftaryChakravarthi, "Manual of Obstetrics", Elsevier Publishers 4nd edition 2017.
9. Kerri durnellschuiling, "Women's Gynecological Health "Jones&Bartlett Publishers 9thedition, 2017.
10. Jacob Annamma, "A Comprehensive Textbook of Midwifery and GynecologicalNursing",Jaypee Publishers3rd edition 2012.

MIDWIFERY AND OBSTETRICAL NURSING – PRACTICAL

Subject Code : BSN 401 Placement : IVYear Time :Practical:180 Hrs Internship:420Hrs

SKILLS

Areas : Antenatal Clinic / OPD

Antenatal history taking
Physical examination
Recording of weight& BP
Hb and urine testing for sugar and albumin
Antenatal examination – abdomen and breast
Immunization
Assessment of risk status
Teaching antenatal mothers
Maintenance of antenatal records

Areas : Labour room / OT

Assessment of woman in labour
Per vaginal examinations and interpretation
Monitoring and caring of woman in labour
Maintenance of partograph
Conduct normal delivery
New born assessment and immediate care
Resuscitation of new borns
Assessment of risk status of new born
Episiotomy and suturing
Maintenance of labour and birth records
Arrange for and assist with caesarean section and care for woman and baby during ceasarean Arrange for and assist with MTP and other surgical procedures

Areas : Post natal ward

Examination and assessment of mother and baby
Identification of deviations
Care of postnatal mother and baby
Perineal care
Lactation management
Breast feeding
Baby birth
Immunization
Teaching post natal mother

Mother craft
Post natal care and exercises
Immunization

Areas : New born Nursery
New born assessment
Admission of neonates
Feeding of at risk neonate
Katori spoon, paladi, tube feeding, total parenteral nutrition
Thermal management of neonates – kangaroo mother care,
Care of baby incubator
Monitoring and care of neonates
Administering medications
Intravenous therapy
Assisting with exchange transfusion
Care of baby on ventilator
Phototherapy
Infection control protocols in the nursery
Teaching and counseling of parents
Maintenance of neonatal records

Areas : Family Planning Clinics
Counselling technique
Insertion of IUD
Teaching on use of family planning methods
Arrange for and assist with family planning operations
Maintenance of records and reports

Essential requirements for registration as midwife

Antenatal examination	30
Conducting normal deliveries in hospital / home /Health centre	20
Vaginal examination	05
Episiotomy and suturing	05
Neonatal resuscitation	05
Assist with Caesarean section	02
Witness / assist abnormal deliveries	05
Post natal cases nurse in hospital / home/ health centre	20
Insertion of IUD	05

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

INTERNSHIP OBSTETRICAL NURSING
Internship Duration – 5 weeks

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

COMMUNITY HEALTH NURSING – II

Subject Code: BSN 402A **Placement: IV Year**
Theory: 90 Hrs **Practical: 135 Hrs**
Internship: 195 Hrs

Course Description:
This course is designed for students to practice Community Health Nursing for individual, family and groups at both urban and rural settings by using concept and principles of health and Community Health Nursing.

Overall Objective:
The student is able to gain knowledge and develop desirable attitude and skills in dealing with National health problems and participate in health care delivery by the application of nursing process in various community settings.

Behavioral Objectives:
The student is able to :
1. describe national health planning and the national health programmes
2. explain the objectives and the community development programme of our country.
3. explain the civil administration.
4. explain the health care delivery systems of India at centre, state, district and local levels.

5. describe the private and Government health agencies involved in health care delivery
6. discuss the various national health programmes and their role in the control of communicable diseases.
7. explain national and international health agencies and their role in community health
8. discuss the MCH services in India.
9. discuss family welfare programmes and its various aspects and the role of nurse in family welfare.
10. explain school health services, its various aspects and the role of nurse in school health services.
11. discuss occupational health, its various aspects and the role of nurse in occupational health.
12. explain community health aspects of nutrition, common nutritional problems and national nutritional programmes.

CONTENT

Unit I: Introduction

- Definition, concept and scope of Community Health and Community Health Nursing
- Historical development of Community health and Community health nursing
- Pre – Independence
- Post – Independence

Unit II: Health Planning and policies and problems

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

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, Subcentre, Primary health centre, Community health centre / sub divisional, Hospitals, District, State, Centre
- Urban – organization, staffing and functions of urban health services provided by government at: Slums, Dispensaries, Maternal and child health centers, Special clinics, Hospitals, Corporation, Municipality Board.

- Components of health services
  - Environmental sanitation
  - Health education
  - Vital statistics
  - MCH – antenatal, natal, postnatal, MTP act, female foetocide act, child Adoption act
  - Family welfare
  - National health programmes
  - School health services
  - Defence 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

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 (IEU)
  - Management information system (MIS): Maintenance
  - of records and reports
  - Training and supervision of various categories of health workers
  - National Health programmes

- Environmental sanitation

➢ **Ecosystems:** Concept of ecosystem
- Structure and function of ecosystem
- producers , consumers, and decomposers
- Energy flow into 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 Ecosystem {Ponds, Streams, Lakes, Rivers, Oceans, Estuaries}

➢ 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
➢ Disaster management- floods, earthquake, cyclone and landslides
➢ Waste management in the centre, clinics etc.
➢ Home visit : concept, principles, process, techniques, bag technique
➢ Qualities of community health nurse
➢ Job description of community health nursing personnel.

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 :

A. Monitoring growth and development
B. Miles stones
C. Weight measurement
D. Social development
E. Temperature and blood pressure monitoring
F. Menstrual cycle
G. Breast self examination and testicles
H. Warning signs of various diseases
I. Tests – urine for sugar and albumin, blood sugar

B. Seek health services for :

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

C. Maintenance of health records for self and family

D. Continued 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 disposable 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
- Homes for destitute

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

National Family Welfare Programme – RCH programme - historical development, organization, administration, research, Constraints

1. National water supply and sanitation programme
2. Minimum needs programme
3. National diabetics control programme
4. Polio eradication – pulse polio programme
5. National cancer control programme
6. Yaws eradication programme
7. National nutritional anemia prophalaxisprogramme
8. 20 point programme
9. ICDS programme
10. Mid – day meal, applied nutritional programme
11. National mental health programme
12. Health schemes

- ESI
- CGHS
- Health insurance

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 KushtNivaran Sangh, Central Social Welfare Board, All India Women's conference, Blind Association of India etc.

Unit VIII: Biodiversity and its conservation

- 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- sports of Biodiversity
- Threats to Biodiversity- habitats loss, poaching of wild life, man-wildlife conflicts

- Endangered and endemic species of India
- Conservation of biodiversity: In-situ and Ex- situ conservation of biodiversity

Suggested practical experience :

I. Visit to the following centers / organizations.

- Primary health centre, sub centers
- Government hospital (District Head Quarters)
- Voluntary organizations
- Visit municipal corporation health centers
- Family welfare bureau
- District health office
- District leprosy office
- Integrated child development scheme (ICDS)
- Tamil Nadu integrated nutritional programme (TINP)
- Industrial areas and observe the health welfare services.

II. Clinical experience in the following areas

- Tuberculosis clinic
- Leprosy clinic
- Mid – day meal programme
- School health assessment of a school child and school environment
- Maternal child health clinics
- Family welfare clinics
- Care of people in a rural hospital who come for family welfare services
- Follow up of mothers and children in the homes and clinics
- Care of patients with various morbidity conditions
- Maintenance of records in all these areas
- Nutritional assessment of different age groups
- Conduction of health education projects.
- Family care study

Methods of Teaching :

Lecture, Discussion, Demonstration, Observation visits, Field experience

Methods of Evaluation :

Written – External, Internal
Assessment of the family care study
Practical – field work

REFERENCES:

1. Clement, I. (2012),"Manual Of Community Health Nursing", 1st edition, Jaypee Brothers Medical Publishers .
2. G.N.K.Parameshwari. (2015-2016),"Text Book Of Community Health Nursing", 1st edition, Frontline Publications.
3. George, G. (2014),"Text Book Of Communiy Health Nursing",1st edition: ,Jaypee Brothers Medical Publishers.
4. I.Clement. (2009),"Basic Concepts Of Community Health Nursing",2nd edition, Jaypee Brothers Medical Publishers.
5. Karaline, D. (2014),"A Textbook Of Community Health Nursing", Vikas Publishing House Pvt Ltd.
6. Karunagari, D. (2014),"A Textbook Of Community Health Nursing". Vit Med Pvt Ltd.
7. Kumari, N. (2015),"Essentials Of Community Health Nursing",. Choice Books And Printers Pvt Ltd .
8. Manivannan, S. D. (2017),"Text Book Of Community Health Nursing", CBS Publishers And Distributors Pvt Ltd.
9. P.M, T. (2010),Procedures And Theories Of Community Health Nursing",1stedition, Jaypee Brothers Medical Publishers.
10. Ray, S. K. (2016),"Community Nursing Procedure Manual", 1stedition CBS Publishers And Distributors.
11. Dr. Sridhar B. Principles of Community Medicine, 4thEdition, AITBS Publishers, New Delhi, 2005.
12. TNAi, A community Health Nursing Manual, 8thEdition, Jaiwanthi P. Dhaulta Publishers, New Delhi, 2001.
13. Hiremath D. Lalitha &Hirematha D.A. “Essentials of Community Medicine – a Practical Approach”, 1st Edition, Jaypee Brothers Medical Publishers, New Delhi, 2004.
14. Rao SundarKasthuri’s, “An Introduction to Community Health Nursing,”4th Edition, (Revised), B.I. Publications Pvt. Ltd., Chennai, 2004
15. Vijay E. Dr. Prof. “Community Medicine”, 2nd Edition, Beacon zen Publishers, Chennai, 2004.
16. Baride, J.P. Dr. &Kulkarani, A.P. Dr. ‘s “Text Book of Community Medicine”, 2nd Edition, Vora Medical Publishers, Mumbai, 2002.
17. Stanhope, Marcia’s “ Foundations of Community Health Nursing – Community oriented Practice”, 1st Edition, Mosby, St Louis, 2002.
18. Basavanthappa, B.T. ‘s “Community Health Nursing”, 2nd Edition, Jaypee Brothers Medical Publishers (P) Ltd, New Delhi, 2003.
19. Stone Clemen, Susan, McGuire, Sandra &etal, “Comprehensive Community Health Nursing”, 6th Edition, Mosby, St. Louis, 2002.

20. Spradley, Walton, Barbara &Allender, Ann, Judiths, "Community Health Nursing – Concepts and Practice", 5th Edition Lippincott, Philadephia, 2001.
21. Agarwal K.C 2001 Environmental Biology Nidi Pubi Ltd Bikaner
22. BharuchaErach, The biodiversity of India, Mapin Publishing Pvt. Ltd, Ahmedabad - 380 013, India, Email: mapin@icenet.net.(R)
23. Brunner R.C 1989, Hazardous Waste Incineration, Mc Graw Hill Inc 480p
24. Clark R.S Marine Pollution, clanderson press Oxford (TB)
25. Cunningham WP Cooper, TH Gorhai E & Hepworth M.T 2001, Environmental Encyc
26. De A.K., Environmental Chemistry, Wiley Eastern Ltd.
27. Down to Earth, Centre for Science and Environment (R)
28. Gleick, H.P.1993 water in crisis , pacific Institute for studies in Dev, Environment & Security Stockholm Env. Institute Oxford Univ. press 473p
29. Hawkins R.E, Encyclopedia of India Natural History, Bombay Natural History Society
30. Heywood. V.H &Waston, R.T 1995 Global Biodiversity Assessment Cambridge Univ Press 1140p
31. Jadhav,11 &Bhosale, V.M 1995 Environmental Protection and Laws Himalaya pub House Delhi 284p
32. Mckinney M.L & School R.M 1996 Environmental Science system & Solutions web enhanced edition 639p
33. Mhaskar A.K Matter Hazardous, Techno – Sciences Publication (TB)
34. Miler T.G., Jr Environmental Sciences, Wadsworth Publishing Co (TB)
35. Odum. E.P., 1971 fundamental of Ecology WB Saunders Co USA 574p
36. Rao M.N &Datta A.K 1987 Waste water treatment Oxford & IBH Publication Co. Pvt Ltd 345p
37. Sharma BK 2001 Environmental chemistry Geol Publ. House. Meerut
38. Survey of the environment, the Hindu (M)
39. Townsend C., Harper J, and Michael Begon, Essential of Ecology, Blackwell Sciences (TB)
40. Trivedi R.K, Handbook of Environmental Laws, Rules Guidelines, Compliances and Stadards, Vol I and II, Enviro Media (R)
41. Trivedi R.K and PK Goel, Introduction to air pollution, Techno- Sciences Publication (TB)
42. Wanger K.D 1998 Environmental Management W.B Saunders Co Philadelphia, USA 499p

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

MANAGEMENT OF NURSING SERVICES AND EDUCATION

Subject Code: BSN 403A **Placement: IV Year**
Theory: 60 Hrs **Practical: 30 Hrs**

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

Overall Objectives:
The course is designed to give a basic understanding of the philosophy, principles, methods of management and application of these principles in the management of hospitals, nursing schools and community settings.

Behavioural Objectives:
The student is able to :
1. explain the philosophy, concepts and principles of management in various setting of nursing.
2. describe the policies and procedures as tools of facilitating management process.
3. apply principles of management, supervision and personnel management in nursing service, education and community.
4. describe the job descriptions of different categories on Nursing service personnel.

CONTENT
Unit - I Introduction to management in nursing :
Definition, concepts and theories Functions of management Principles of management Role of nurse as a manager

Unit - II Management Process
Planning : mission, philosophy, objectives, operational plan Staffing ; philosophy, staffing study, norms, activities, patient Classification systems, scheduling Human resource management ; recruiting, selecting, deployment, retaining, Promoting, super annuation etc.
Budgeting; concept, principles, types, cost benefit analysis, audit. Material management ; equipment and supplies Directing process (leading)Controlling –

quality management Program evaluation review technique (PERT), bench marking, Activity plan (Gantt chart)

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 and 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

Unit - IV Organizational behaviour and human relations

Concepts and theories of organizational behaviours Review of channels of communication Leadership styles Review of motivation : concepts and theories Group dynamics Techniques of :Communication; and Inter-personal relationships Human relations; Public relations in context of nursing Relations with professional associations and employee unions and collective bargaining.

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

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
Committees
Physical facilities
College / School

Hostel
Students
Selection

Admission
Guidance and counseling
Maintaining discipline
faculty and staff
Selection
Recruitment
Job description

Placement
Performance appraisal
Development and welfare
Budgeting
Equipments and supplies - audio visual equipments, laboratory
Equipments, books, journals etc.

Curriculum, planning, implementation and evaluation
Clinical facilities

Transport facilities

Institutional records and reports – administrative, faculty,
Staff and students

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 practice, registration and licensing
Laws related to nursing practice, breach and penalties
Malpractice and negligence

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.

Suggested Practicals :
Observation visits to institutions participation in the administration and Supervision of a hospital unit, nursing school and community health nursing Set up. Administrative projects in different areas.

Methods of Teaching :
Lecture, Discussion, Demonstration, Seminars Panel discussion, Symposium, Role play Observation visits.

Methods of Evaluation :
Written tests and assignments - Individual assignments - Practical experience

REFERENCES:

1. Syed Amin Tabish.(2003),"Hospitals and Nursing Homes planning,organizations and management", Jaypee Brothers Medical Publishers.
2. NeelamKumari, Madhu Sharma.(2015),"A text book of Administration and ward management", Pee vee books.
3. NeelamKumari,"A text book of management Of Nursing Services and Education".
4. JogindraVati.(2013),"Principles and practice of nursing management and administration", Jaypee Brothers Medical Publishers.
5. Bessie I.Marous, Carol j. H,"Leadership Roll And Management Functions In Nursing Theory And Application", Lippincott.
6. Clement I (2015),"Management of Nursing Services and Education", Elsevier Publisher.
7. Eleanor J.sullivan. (2012),"Effective Leadership and Management in Nursing", Pearson publisher.
8. Patricia S.Yoder-Wise.(2014),"Leading and Managing in Nursing",Elsevier Health Science Publishers.
9. Eleanor j Sullivan,Gayle Garland,"Practical Leadership and Management in Healthcare", PearsonPublisher.
10. ShabnamMasih Author(2016),"Introduction to Nursing Service Administration", Lotus Publisher.