

Syllabus and Examination pattern for Post Basic B.Sc. Nursing Course Part I

NOTIFICATION

In exercise of the powers, conferred under section 26 of Krishna Institute of Medical Sciences University, in its meeting of the Board of Management held on 16th June, 2008, has been pleased to approve the Bye-law pertaining to Post Basic B.Sc. Nursing Course Part I as given in schedule here to Annexed.

The Bye-law as above shall be effective for the students admitted to Post Basic B.Sc.Nursing Course Part I from the academic year 2008-09 onwards.

**By Order
Registrar**

1. This byelaw shall be called Syllabus and Examination pattern for Post Basic B.Sc. Nursing course part I.

Philosophy

KRISHNA INSTITUTE OF NURSING SCINCES BELIEVES THAT - health is a state of well-being that enables a person to lead a psychologically, socially and economically productive life. Health is right of all the people,. Individuals, families and communities have a responsibility towards maintaining their health.

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

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

Nursing is based on values of caring, and aims to help individuals to attain independence in self-care. It necessitates development of compassion and understanding of human behaviour among its practitioners to provide care with respect and dignity and protect the rights of individuals and groups.

Undergraduate nursing programme is broad based education within an academic framework specifically directed to the development of critical thinking skills, competencies and standards required for practice of professional nursing and midwifery as envisaged in National Health Policy 2002.

The teachers have the responsibility to be role models and create learning environment that enables students to acquire inquiry driven. self directed learning and foster and attitude of life long learning.

Under graduate Nursing education programme prepares its graduates to become exemplary citizen by adhering to code of ethics and professional conducts at all times in fulfilling personal, social and professional obligations so as to respond to the national aspirations.

Aims:

The aim of the undergraduate-nursing program at the post basic level is to upgrade the diploma (GNM) nurses to:

- Assume responsibilities as professional, competent nurses and midwives at basic
- Level in providing promotive, preventive, curative and rehabilitative services.
- Make independent decisions in nursing situations, protect the rights of and
- Facilitate individuals and groups in pursuit of health, function in the hospital,
- Community nursing services, and conduct research studies in the areas of nursing
- Practice. They are also expected to assume the role of teacher, supervisor,
- Manager in a clinical/public health setting.

Objectives:

On completion of B.Sc. Nursing (Post-Basic) degree programme the graduates will be able to:

1. Assess health status, identify nursing needs, plan, implement and evaluate nursing care for patients / clients that contribute to health of individuals, families and communities.
2. Demonstrate competency in techniques of nursing based on concepts and principles from selected areas of nursing, physical, biological and behavioural sciences.
3. Participate as members of health team in the promotive, preventive, curative and restorative health care delivery system of the country.
4. Demonstrate skills in communication and interpersonal relationship.
5. Demonstrate leadership qualities and decision-making abilities in various situations.
6. Demonstrate skills in teaching to individuals and groups in community health settings.
7. Demonstrate managerial skills in community health settings.
8. Practice ethical values in their personal and professional life.
9. Participate in research activities and utilize research findings in improving nursing practice.
10. Recognize the need for continued learning for their personal and professional development.

Ist Year Post Basic B.Sc. Nursing

Nursing Foundation

Placement: Ist Year

Time Allotted: Theory: 45 Hrs
Practical: 30 Hrs

Course Description:

This course will help students to develop an understanding of the philosophy, objectives and responsibilities of nursing as a profession. The purpose of the course is to orient to the current concepts involved in the practice of nursing and developments in the nursing profession.

Objectives:

At the end of the course, the students will-

1. Identify professional aspects of nursing
2. Explain theories of nursing
3. Identify ethical aspects of nursing profession
4. Utilise steps of nursing process
5. Identify the role of the nurse in various levels of health services
6. Appreciate the significance or quality assurance in nursing.
7. Explain current trends in health and nursing.

Course Contents:

Unit I:	Development Of Nursing As A Profession	6 hrs.
	<ul style="list-style-type: none"> - Philosophy - Objectives and responsibilities of a graduate nurse - Trends influencing nursing practice - Expanded role of the nurse - Development of nursing education in India and trends in nursing education - Professional organizations, career planning - Code of ethics & professional conduct for nurses. 	
Unit II:	Concepts Of Health & Illness- Ethical, legal, and other issues in Nursing.	12 Hrs.
	<ul style="list-style-type: none"> - Concepts of health and illness, effects on the person - Stress and adaptation - Health care concepts and nursing care concept - Developmental concepts, needs, roles and problems of the developmental stages of individual - newborn, infant, toddler, pre-adolescent, adolescent, adulthood, middle-age, old age. 	
Unit III:	Theory Of Nursing Practice	5 Hrs.
	<ul style="list-style-type: none"> - Meta paradigm of nursing - characterized by four central concepts i.e. Nurse, Person (client/patient). Health and Environment. Nursing Theory; - Florence Nightingale - Virginia Henderson - Betty Neumen - Dorothea Orem - Martha Rogers etc. 	

- Unit IV: Nursing Process 10 Hrs.**
- Nursing Process
 - Assessment - Tools for Assessment, Method and Recording.
 - Nursing diagnosis - Definitions, concepts, statements, types, interpretation
 - Planning: techniques for planning care, types of care plans.
 - Implementation: Different approaches to care, organizations and implementation of care, recording.
 - Evaluation: Tools for evaluation, process of evaluation.
- Unit V: Quality Assurance 6 hrs.**
- Quality assurance: nursing standards, nursing audit, total quality management.
 - Role of council and professional bodies in maintenance of standards.
- Unit VI Approaches to Health Care 6 hrs.**
- Primary health care concepts:
 - Community oriented nursing
 - Holistic nursing
 - Primary nursing
 - Family oriented nursing concepts:
 - Problem oriented nursing
 - Progressive patient care
 - Team nursing.
- Practicum: Teaching Learning Activities - 30 Hrs.**
- Nursing process application.**
- Select one patient and write nursing care plan. **20 Hrs.**
 - Select one client from OPD / Community / Peer Group and write nursing care plan. **10 Hrs.**

Evaluation:

Paper	Subject	Duration	Internal Assessment	External Assessment	Total Marks
	Nursing Foundation				
1.	Theory	2	15	35	50

Internal Assessment:**15 Marks**

(Out of 15 Marks to be send to the University)

Mid-Term: 25 Marks

Prelim: 35 Marks

Total: 60 Marks

(60 Marks from mid-term & prelim (Theory) to be converted into 15 Marks)

**External Assessment (Theory):
(University Examination)****35 Marks****References:**

1. Kozier B, Erb, G & Oliver, R: Fundamentals of Nursing; 4th ed. California, Addison Wesley, 1991.
2. Perry, A.G. & Potter, P.A.: Basic nursing essentials of practice; 5th ed. St. Louis, Mosby, 2003.

3. Potter, P.A. & Perry, A.G.: Fundamentals of nursing; 5th ed. Mosby Harcott (India) Pvt. Ltd.
4. Beverly Witley Dugas : Introduction to patient care ; 4th ed., Saunders, 2002.
5. White, Lois: Foundations of nursing caring for the whole person; U.S.A. Delmer Thompson Learning.
6. Luckmann, J & Sorensen, K.C.: Basic nursing: a psychophysiologic approach; 3rd ed., W. B. Saunders, 2002.
7. Park, J.E.: Textbook of preventive and social medicine; 17th ed., Banarasidas Bhanot, 2003.

Nutrition & Dietetics

Placement: 1st Year

Time Allotted Theory: 30 Hrs.

Practical: 15 Hrs.

Course Description:

This course is designed to provide the students with a wide knowledge of dietetics in Indian setting, that the practice of teaching optimum and realistic dietary planning can become an integral part of nursing practice.

Objectives:

At the end of the course, the students will

1. Explain the principles and practices of nutrition and dietetics.
2. Plan therapeutic diets in different settings
3. Identify nutritional needs of different age groups and plan diet accordingly.
4. Prepare meals using different methods utilizing cookery rules.

Course Contents:

Unit I:	Introduction to Nutrition and Dietetics	8 Hrs.
	<ul style="list-style-type: none"> - Balanced diet, factors on which it depends. - Factors to be considered in planning. - Guides available for planning. - Food Hygiene, preparation and preservation. - Review of nutrients - micro & macro. 	
Unit II:	Infant And Child Nutrition	8 Hrs.
	<ul style="list-style-type: none"> - Feeding of normal infants: factors to be considered in planning, nutritional requirements - Feeding of Premature infants to be considered in planning, nutritional requirements. - Supplementary feeding of infants: Advantage and method of introduction. - Weaning effects on mother and child. - Psychology of infant and child feeding. - Feeding the sick child. Diet in diseases of infancy and childhood. - Deficiency - malnutrition, under nutrition, other nutrients deficiency. - Feeding pre-school child: nutritional needs, factors to be considered in planning diets. Problems in feeding. 	
Unit III:	Introduction to Diet Therapy	8 Hrs.
	<ul style="list-style-type: none"> - Introduction - Routine hospital diets. - Therapeutic diet under each unit i.e. Cardiovascular diseases, Gastrointestinal diseases, Renal disorders, Endocrine and metabolic disorders, - Allergy, Infections and fevers, - Pre and postoperative stage, - Deficiency diseases and malnutrition, overweight and underweight. 	
Unit IV:	Community Nutrition	6 Hrs.
	<ul style="list-style-type: none"> - Need for community nutrition programme. - Nutritional needs for special groups: infant, child, adolescent, Pregnant and lactating mother and old people. 	

- Substitutes for non-vegetarian foods.
- Selection of cheap and nutritious foods. Nutrition education needs and methods.
- Methods of assessing nutritional status of individual / group / community.
- Current nutritional problems and national programmes (mid day meal etc.)

Practicum:

- I. Methods of cooking and cookery rules.
 1. Simple preparation of beverages, soups, cereals and pulses, eggs, vegetables, meat, multipurpose food snacks.
 2. Menu Plans.
- II. Preparation of supplementary food for infants.
 1. Food for toddlers.
 2. Low cost nutritious dishes for vulnerable groups.
 3. Dietary case study of patient on special diet and planning of low cost dietary instructions for home adaptations.
 4. Planning of therapeutic diets.

Evaluation:

Paper	Subject	Duration	Internal Assessment	External Assessment	Total Marks
	Nutrition & Dietetics				
2.	Theory	2	15	35	50

Internal Assessment:

15 Marks

(Out of 15 Marks to be send to the University.)

Mid-Term:	25 Marks
Prelim:	35 Marks
Total:	60 Marks

(60 Marks from mid-term & prelim (Theory) to be converted into 15 Marks)

**External Assessment (Theory):
(University Examination)**

35 Marks

References:

- 1) Clinical dietetics and Nutrition, Antia 4th ed.
- 2) Nutritive value of Indian foods, Gopalan, 1st ed.
- 3) Krause's Food, Nutrition & diet Therapy, Mahan, 11th ed.
- 4) Nutrition & diet therapy, Williams
- 5) Clinical Dietetics & Nutrition, Philip.

Biochemistry & Biophysics

Section - A Biochemistry

Placement: 1st Year

Time Allotted Theory: 30 Hrs

Course Description:

The broad goal of teaching Biochemistry to Nursing students is to enable them to understand, the chemical processes taking place in the human body in health and disease. This will help them to increase the quality of patient care.

Objectives:

At the end of the course, the students will

1. Identify the basic principles of Biochemistry
2. Understand and grasp the basic outline of chemistry and properties of important biomolecules like glucose, urea, etc
3. Summarize the working of enzymes and their importance as diagnostic tools for the clinician.
4. Describe the mechanisms involved in maintenance of body fluids along with electrolytes.
5. Be able to understand the concepts of laboratory medicine, which involves learning about physiological levels of important biomolecules and the underlying cause of change in these levels in disease states.

Course Contents

Unit I:	Introduction	2 hrs.
	<ul style="list-style-type: none"> - Introduction: importance of Biochemistry in Nursing. - Study of cell and its various components. 	
Unit II:	Water And Electrolytes	2 hrs.
	<ul style="list-style-type: none"> - Distribution of water and its functions in human body (ECF & ICF) - Water & Fluid balance - Electrolyte Distribution and its functions in body - Dehydration causes and consequences - Electrolyte imbalance - causes, hypo and hypernatremia and kalemia 	
Unit III:	Enzymes	5 hrs.
	<ul style="list-style-type: none"> - Definition and Mechanism of action. - Factors affecting enzyme activities. - Enzymes in clinical diagnosis and its applications. - Precautions for handling specimens for enzymes estimation. - Digestion and Absorption of carbohydrates, proteins and lipids. - Factors influencing the digestion and absorption. - Mal absorption syndrome. 	
Unit IV:	Carbohydrates	5 hrs.
	<ul style="list-style-type: none"> - Elementary outline of Electron transport chain (ETC) and Biological Oxidation - Elementary consideration of Mono, di and polysaccharides - Fate of glucose in the body including-gluconeogenesis, glycogenesis, glycolysis, glycogenolysis. Storage of glucose. 	

- Outline and Importance of TCA Cycle (Kreb's cycle)
- Regulation of blood glucose levels. Glucose Tolerance test (GTT) Hyperglycemia, Hypoglycemia.

- Unit V: Proteins - Amino Acids & Harmones. 5 hrs.**
- Protein Chemistry
 - Essential amino acids, properties and functions
 - Important polypeptides
 - Plasma Proteins and their functions
 - Nucleic acids- DNA, RNA
 - Biosynthesis of proteins in the cells and Role of nucleic acids in protein synthesis
 - Nitrogenous constituents of Urine, blood their origin Urea cycle and Nitrogen balance. Uric Acid formation, gout.
- Unit VI: Lipids 6 hrs.**
- Biological Importance of important lipids and their functions
 - Cholesterol and Lipoproteins
 - Sources occurrence and distribution
 - Blood levels and Metabolism
 - Biosynthesis of fats and storage of fats (B-oxidation)
 - Role of liver in fat metabolism Fatty liver, its causes and prevention
 - Goal of lipid metabolism in Atherosclerosis and Heart diseases
 - Ketone body formation and its utilization.
 - Causes and detection of ketosis.
- Unit VII: Inter-Relationship In Metabolism 5 hrs.**
- Carbohydrates, Lipids, a Protein, minerals metabolism.
 - Nutrition calorie value of food, BMR, SDA, Balance Diet.

References:

1. Anthikad, 'J': Biochemistry for nurses; New Delhi: Jaypee Brothers
2. Dandekar S.P.: Medical biochemistry (based on MCI guidelines); New Delhi: Jaypee Brothers
3. Das, Debajyoti: Biochemistry; New ed.; Calcutta, Academic publishers
4. Hodgkinson M: Clinical biochemistry of the elderly; London: Churchill Livingstone, 1984
5. Malhotra, V.: Biochemistry for students; New Delhi: Jaypee Brothers, 1985
6. Nath, R.L.: Practice of biochemistry in clinical medicine, 1976
7. U Satyanarayana: Biochemistry; Books and Allied Ltd.
8. Eastham Duncan Robert: Biochemical values in clinical medicine; 8th ed.: John Cought and Sons Ltd., 1977.

Section - B
Biophysics

Placement: 1st Year

Time Allotted Theory: 30 Hrs

Course Description:

The broad goal of teaching Biophysics to nursing students is to enable them to understand the application of physics principles while providing nursing care to the patients.

Course Contents:

Unit I:	Introduction - Introduction: Concepts of unit and measurements Fundamental and derived units - Unit length, weight, mass, time.	2 hrs.
Unit II:	Motion - Vector and scalar motion, speed, velocity and acceleration. - Newton's law of motion.	2 hrs.
Unit III:	Gravity - Gravity: Specific gravity, centre of gravity, principles of gravity. - Effect of gravitational forces on human body. - Application of principles of gravity in nursing.	3 hrs.
Unit IV:	Force Work & Energies - Force, work, Energy: Their units of measurement. - Type and transformation of energy, forces of the body, Static forces. - Principles of machines, friction and body mechanics. - Simple mechanics - lever and body mechanics, pulley and traction, incline plane, screw. - Application of these principles in nursing.	3 hrs.
Unit V:	Heat - Heat: Nature, measurement, transfer of heat. - Effects of heat on matter. - Relative humidity, specific heat. - Temperature scales. - Regulation of body temperature. - Use of heat for sterilization. - Application of these principles in nursing.	3 hrs.
Unit VI:	Light - Light: Laws of reflection. - Focusing elements of the eye, defective vision and its correction, use of lenses. - Relationship between energy, frequency and wavelength of light. - Biological effects of light. - Use of light in therapy. - Application of these principles in nursing.	3 hrs.

- Unit VII: Pressures** **3 hrs.**
- Pressures: Atmospheric pressure, hydrostatic pressure, osmotic pressure.
 - Measurements of pressures in the body.
 - Arterial and venous blood pressures.
 - Ocular pressure.
 - Intracranial pressure.
 - Applications of these principles in nursing.
- Unit VIII: Sound** **2 hrs.**
- Sound: Frequency, Velocity and Intensity.
 - Vocalisation and hearing.
 - Use of ultrasound. Noise pollution and its prevention.
 - Application of these principles in nursing.
- Unit IX: Electricity** **5 hrs.**
- Electricity and Electromagnetism: Name of Electricity, Voltage, Current, Resistance and their Units.
 - Flow of electricity in solids, electrolytes, gases and vacuum.
 - Electricity and human body.
 - ECG, EEG, EMG, ECT.
 - Pace makers and defibrillation.
 - Magnetism and electricity.
 - M.R.I. Scanning, CAT Scan.
- Unit X: Nuclear Physics** **2 hrs.**
- Atomic Energy: Structure of Atom, Isotopes and Isobars.
 - Radioactivity: Use of radioactive isotopes
 - Radiation protection units and limits, instruments used for detection of ionizing radiation. X-rays.
- Unit XI: Electronics** **2 hrs.**
- Principles of Electronics: Common electronic equipments used in patient care.
- Practicum:**
- Experiments and Tests should be demonstrated wherever applicable.

Evaluation:

Paper	Subject	Duration	Internal Assessment	External Assessment	Total Marks
	Biochemistry & Biophysics				
3.	Theory	3	25	75	100

Internal Assessment: **25 Marks**
 (Out of 25 Marks to be send to the University)

	Section -A Biochemistry	Section - B Biophysics	Total Marks
Mid Term	25	25	---
Prelim	37	38	---
Total	62	63	125
Average Out of	13	12	25

(62 Marks from Biochemistry (mid-term & prelim) to be converted into 13 Marks and 63 Marks from Biophysics (mid-term & prelim) to be converted into 12 Marks)

External Assessment (Theory): **75 Marks**

(University Examination)

Section A: Biochemistry: 37 Marks

Section B: Biophysics: 38 Marks

Total Marks: 75 Marks

References:

- 1) Flitter, H.H. (1989): An introduction to physics in nursing; 7th edition Delhi, All India Traveller Book seller. (Original American ed. Pub. by C.V.Mosby, St.Louis).
- 2) Sackheim, S. M. (1962): Practical Physics for nurses; 2nd ed. Philadelphia, W.B. Saunders Co.
- 3) Stearns, H.O.(1962): Fundamentals of physics and Applications; 2nd ed. New York, Macmillan Co.
- 4) T.N.A.I. (1966): Physics and Chemistry; Laboratory Manual for Student Nurses; 3rd ed. New Delhi, T.N.A.I.
- 5) Waters, M.(1958): Elementary physics for Nurses; 6th ed London, Faber and fabor.
- 6) KIGOUR, O.F.G.(1978): An Introduction to the physical aspects of Nursing Sciences; 3rd ed. London, William Heinemann Medical Books Ltd.
- 7) Nordmark, M. t. and Rahweder, A.W. (1959): Science Principles in Nursing; Philadelphia, J.B. Lippincott.

Psychology

Placement: 1st Year

Time Allotted Theory: 60 Hrs.

Practical: 15 Hrs.

Course Description:

This course is designed to orient students with regards to psychological principles, and widen their knowledge of the fundamentals of psychology. The course offers students an opportunity to understand the psychodynamics of patient behavior and to apply theoretical concepts in practical settings.

Objectives:

The course aims towards the developing students skills in -

- Understanding herself and others
- Analysing her own thought and behavior patterns
- Using psychological principles to improve her efficiency in nursing care
- Applying psychological principles while performing nursing duties
- Distinguishing psychological processes during health and sickness
- Planning nursing care with regards to psychological needs and concerns
- Participating in psychological assessment of patients.

Course Contents:

Unit I:	Introduction to Psychology	3 hrs.
	<ul style="list-style-type: none"> - Definition, history and scope. - Branches and methods. - Relationship with other subjects. - Psychology and the student nurse. - Habits and skills. 	
Unit II:	Sensation, Attention and Perception	6 hrs.
	<ul style="list-style-type: none"> - Sensation - Definition and sensory processes. - Problems in sensation. - Attention - Definition, characteristics and types. - Factors affecting attention. - Distraction and sustaining attention. - Perception - Definition and characteristics. - Perception of form, depth and movement. - Types and difficulties in perception. - Problems and nursing care. 	
Unit III:	Learning	5 hrs.
	<ul style="list-style-type: none"> - Definition, nature and conditioning theories - Learning process, laws and types and factors - Learning during health and sickness 	
Unit IV:	Memory and Forgetting	5 hrs.
	<ul style="list-style-type: none"> - Memory - Definition and nature - Memory models and factors affecting memory - Methods to improve memory - Forgetting - Definition, explanation of forgetting. 	

	<ul style="list-style-type: none"> - Memory during health and sickness - Forgetting during health and sickness 	
Unit V:	Motivation	6 hrs.
	<ul style="list-style-type: none"> - Definition, nature and theories - Needs and motives - Biological and social - Frustration and conflicts - Types of conflicts - Self actualization - Application in nursing care 	
Unit VI:	Emotion	5 hrs.
	<ul style="list-style-type: none"> - Definition and meaning, theories. - Expressions and perceptions. - Emotions in sickness, nursing cares. 	
Unit VII:	Attitudes	5 hrs.
	<ul style="list-style-type: none"> - Definition and nature, theories - Factors influencing attitude formation - Role of attitudes in health and sickness 	
Unit VIII:	Intelligence and Abilities	6 hrs.
	<ul style="list-style-type: none"> - Definitions and nature, theories. - Psychological testing and measurement. - Mental retardation and IQ. - Intelligence and abilities during sickness. 	
Unit IX:	Personality	7 hrs.
	<ul style="list-style-type: none"> - Definition, nature, factors influencing personality. - Theories of personality development. - Defense mechanism. - Psychological problems. - Personality disorders and nursing. 	
Unit X:	Individual Difference	4 hrs.
	<ul style="list-style-type: none"> - Definition and significance - Heredity and environment - Role in health and sickness - Implications in nursing 	
Unit XI:	Psychological Aspects Of Nursing	5 hrs.
	<ul style="list-style-type: none"> - Behaviour during sickness - Understanding the client - Psychological approach in nursing care - Psychological needs of child, adolescent, adult, aged Chronically ill and attendants. 	
Unit XII:	Mental Hygiene	3 Hrs.
	<ul style="list-style-type: none"> - Concepts And Meaning Of Mental Hygiene - Characteristics Of A Mentally Healthy Person - Factors Influencing Mental Health 	

All theory topic lectures will be covered through interactive sessions with students.

Practicum:

- A. 3 Experiments 9 hrs.**
- Attention
 - Memory
 - Learning
- B. 2 Psychological Tests (Rating Scales) 4 hrs.**
- Hardiness
 - Positive Thinking
- C. Case Study 2 hrs.**
- Discussion of a case with identification of expressed emotions, psychological needs, sources of conflict and attitudes expressed.

Practicum will be recorded in a journal and will be scored as part of internal Assessment.

Paper	Subject	Duration	Internal Assessment	External Assessment	Total Marks
	Psychology				
4.	Theory	3	25	75	100

Internal Assessment:

Theory:	15 Marks
Practicum Assignment:	10 Marks
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Total:	25 Marks

(Out of 25 Marks to be send to the University)

Mid-Term:	50 Marks
Prelim:	75 Marks
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Total:	125 Marks

(125 Marks from mid-term & prelim (Theory) to be converted into 15 Marks)

Practicum Assignments: 10 Marks

External Assessment: 75 Marks
(University Examination)

References:

1. Bhatia, B.D. and Craig, M: Elements of psychology and mental hygiene for nurses; Chennai: Orient Longman Pvt. Ltd
2. Dandekar, W.N.: Fundamentals of experimental psychology; Kolhapur: Moghe Prakashan
3. Hurlock, E.: Developmental psychology; Singapore: Tata McGraw Hill Book Co.,
4. McGhee, A: Psychology as applied to nursing; London: Churchill Livingston.
5. Morgan, C.T. and King, R.A.: Introduction to psychology; Singapore: McGraw Hill Book Co.,

Microbiology

Placement: 1st Year

Time Allotted Theory: 60 Hrs.
Practical: 30 Hrs.

Course Description:

This course reorients the students to the fundamentals of Microbiology and its various subdivisions. It provides opportunities to gain skill in handling and use of microscope for identifying various micro-organisms. It also provides opportunities for safe handling of materials containing harmful bacteria and methods of destroying microorganisms.

Objectives:

After the course the students will develop

1. Identify common disease causing organisms
2. Basic principles of Microbiology & its significance in health & disease
3. Handling of infective specimens
4. Various methods of sterilization & disinfections.
5. Role of nurse in hospital infection control system.

Course Contents:

Unit I:	Introduction	3 hrs.
	<ul style="list-style-type: none"> - General Microbiology: History, (Fracostorius of Verona to the Latest Nobe Laureates short note on Pasteur and Koch) and Introduction (Why to study the subject?) - Microscope (Types - dissecting to Electron measuring scale upto nanometer) 	
Unit II:	General Microbiology	3 hrs.
	<ul style="list-style-type: none"> - Morphology and Physiology (Size, Shape, struct., spore, flagella, capsule). - Staining (demonstration) Gram's + Z N's + Motility. 	
Unit III:	Bacterial Growth Requirement	5 hrs.
	<ul style="list-style-type: none"> - Growth requirement of Bacteria + Bacteria growth curve. - Cultural media different. - Collection processing of sample and bacteria. 	
Unit IV:	Sterilization & Disinfections	5 hrs.
	<ul style="list-style-type: none"> - Sterilization + Disinfections. - Sterilization demo of instruments, Different disinfectants dilute. - Hospital infection control Biosafety + Fumigation and role of nurse. - Bacterial genetics (emphasis to drug resistance) Host parasite relationship. 	
UNIT V:	Systemic Bacteriology	10 hrs.
	<p>(Morpho, growth requirements, diseases caused vaccine epideo)</p> <ul style="list-style-type: none"> - Pyogenic cocci causing diseases Staphylococci - Streprococci and Pneumococci and Neisseria - Salmonella + Shigella - E coli diarrheoa + Cholera + Pseudomonas - C. diptheria + Chlamydia - Anaorobes intro. + C. welchii - C. tetani + nonsporing anaerobes mention diseases - Tuberculosis 	

	<ul style="list-style-type: none"> - Leprosy + Aty - Spirocheate + Leptospira - Chlamydia - Demo different morphology of bacteria G + C, G + B, GNC, GNB - Demo of organism Spore, Capsule, fungi, AFB 	
Unit VI:	Systemic Mycology	5 hrs.
	<ul style="list-style-type: none"> - Fungi intro., Dermatophytes. - Mycetophytes. - Mycetoma, Rhino, Crypto. - Candida and Lab. Diagnosis of fungal infections. 	
Unit VII:	Immunology	5 hrs.
	<ul style="list-style-type: none"> - Immunity - Antigen - Antibody - Ag x Ab reaction sererogical - Immune Response - Hypersensitivity 	
Unit VIII:	Systematic Parasitology	10 hrs.
	<ul style="list-style-type: none"> - Intro classification and some terms - Amoeba + Giardia - Trichomonas + Leishmania - Malaria + Toxoplasma - Cestodes (Taenia sodium and saginata E. granuloses) - Intestinal Nematodes - Tissue Nematodes - Vectors - Diff. Parasites and vectors stool preparation demo 	
Unit IX:	Systematic Virology	8 hrs.
	<ul style="list-style-type: none"> - Gen. Prop. Cultivation classification - Herpes virus - Picorna virus - Measles, Mumps, Chicken pox - Ortho and Arbo (Dengue) - Rhabdo virus - Hepatitis virus - HIV and AIDS. 	
Unit X:	Clinical Microbiology	6 hrs.
	<ul style="list-style-type: none"> - PUO, UTI, STD, Wound infection. - Micro - organism transmitted through food. - Food poisoning, food born infection. 	

Practicum:

- Each student will practice in laboratory as indicated in each unit of the courses outline. While giving nursing care in the wards they will practice collection and processing of specimens, prevention and control of hospital infections. Sterilization, immunization, chemotherapy and maintenance of personal and environmental hygiene. Observation visit to incinerator, posting in CSSD and infection control department.

Evaluation:

Paper	Subject	Duration	Internal Assessment	External Assessment	Total Marks
	Microbiology				
5.	Theory	3	25	75	100

Internal Assessment:

Theory: 15 Marks

Journal Assignment: 10 Marks

Total: 25 Marks

(Out of 25 Marks to be send to the University)

Mid-Term: 50 Marks

Prelim: 75 Marks

Total: 125 Marks

(125 Marks from mid-term & prelim (Theory) to be converted into 15 Marks)

Journal Assignments: 10 Marks.

External Assessment (Theory): 75 Marks.
(University Examination)

References:

- 1) Ananthnarayan: Textbook of Microbiology
- 2) Chakravarti: Textbook of Microbiology
- 3) Chattergey K.D.: Textbook of Parasitology
- 4) Panikar: Textbook of Parasitology
- 5) Konemen: Textbook of Medical Microbiology
- 6) Marion E. Wilson: Microbiology in Nursing Practice.

Maternal Nursing

Placement: 1st Year

Time Allotted Theory: 60 Hrs

Practical: 240

Course Description:

The course is designed to widen the student's knowledge of obstetrics during pregnancy, labour and puerperium. It also helps to acquire knowledge and to develop skill in rendering optimum nursing care to a child-bearing mother in a hospital or in community and help in the management of common gynaecological problems.

Objectives:

At the end of the course, the student will be able to:

1. Describe the physiology of pregnancy, labour, and puerperium.
2. Manage normal pregnancy, labour and puerperium.
3. Explain the physiology of lactation, and advice on management of breast-feeding.
4. Provide pre- and postoperative nursing care in obstetric conditions.
5. Identify and manage high-risk pregnancy including appropriate referrals.
6. Propagate the concept and motivate acceptance of family planning methods.
7. Teach, guide and supervise auxiliary midwifery personnel.

Course Content

- | | | |
|------------------|--|---------------|
| Unit I: | Introduction And Historical Review | 5 hrs. |
| | <ul style="list-style-type: none"> a. Early history of midwifery and evolution of obstetrics Maternity care and practices in various culture across the world. Expanded role of the nurse in maternity and gynaecology. b. Safe motherhood initiative maternal mortality, morbidity and perinatal mortality. Legislation related to maternal benefits, MTP acts, incentives and Family planning. Family welfare programme. | |
| Unit II: | Anatomy And Physiology Of Female Reproductive System | 6 hrs. |
| | <ul style="list-style-type: none"> - Review of anatomy and physiology of female reproductive system. - Female pelvis and foetal skull. - Menstrual cycle - Human reproduction, gametogenesis, fertilization, embryo. - Placenta, foetal membrane, liquor amnii, umbilical, Cord - The foetus, foetal growth, foetal physiology, foetal circulation. | |
| Unit III: | Normal Pregnancy | 8 hrs. |
| | <ul style="list-style-type: none"> - Physiological changes during pregnancy. - Diagnosis of pregnancy and antenatal care. - Antenatal assessment of foetal well being. - Physiology of normal labour. - Mechanism of normal labour. - Management of I, II, and III stages of labour. - Physiology of puerperium. - Physiology of lactation and breast-feeding. - Management of normal puerperium. | |

- Unit IV: New Born Baby 6 hrs.**
- Resuscitation and immediate care of newborn.including SGA & LGA
 - Normal characteristics and essential care of newborn.
 - Asphyxia Neonatarum, respiratory distress
 - Jaundice in newborn
 - Birth injuries, congenital anomalies, infection in newborn, and vomiting in newborn.
 - Still birth - incidence, causes and prevention.
 - Care of low birth weight babies in labour room and nursery /NICU.
- Unit V: Medical Disorders In Pregnancy 5 hrs.**
- Hypertensive disorders - Pregnancy induced hypertension, Eclampsia.
 - Anaemia in pregnancy
 - Diabetes mellitus in pregnancy
 - Heart diseases
 - Renal disorders in pregnancy
 - Jaundice in pregnancy
 - Pulmonary TB
 - Pregnancy with STD, HIV / AIDS.
- Unit VI: High Risk Pregnancy 10 hrs.**
- Abortion
 - Hydatiform mole
 - Ectopic pregnancy
 - Medical termination of pregnancy
 - Antepartum haemorrhage - Placenta previa, Abruptio placenta
 - Vomiting in pregnancy
 - Pregnancy in Rh-negative women
 - Multiple pregnancies, hydramnios
 - Preterm labour
 - Premature rupture of membrane
 - IUGR, postdatism
 - Pregnancy with previous caesarean section
 - Fibroid with pregnancy
 - Ovarian tumour with pregnancy
- Unit VII: High Risk Labour 3 hrs.**
- Abnormal presentation - Unstable lie, Occipitoposterior, face and brow presentation
 - Breech presentation, compound presentation
 - Abnormal uterine action in labour and active management of labour
 - Contracted pelvis and CPD
 - Obstructed labour, rupture of uterus, injuries of maternal birth canal, cord prolapse.
- Unit VIII: Abnormalities of Puerperium 4 hrs.**
- Puerperial pyrexia and sepsis.
 - Post partum haemorrhage.
 - Breast complications - Breast engorgement, breast abscess, acute mastitis.
 - Psychiatric disorders in puerperium.

- Unit IX: Obstetrical Emergencies & Operative Obstetrics** **3 hrs.**
- Uterine rupture, cervical tear
 - D & E, S & E
 - Use of instruments - Episiotomy Forcep, Vacuum
 - Caesarean section.
- Unit X: Pharmacotherapeutics** **2 hrs.**
- Oxytocics, Prostaglandins - use in obstetrics.
 - Anaesthesia and analgesics used in obstetrics.
- Unit XI: Special investigations in Obstetrics** **2 hrs.**
- USG, NST, CTG.
 - Radiography.
- Unit XII: Current Trends in Reproductive health (RCH)** **4 hrs.**
- Infertility, genetic counseling
 - Unwanted pregnancy
 - Unwed mother
 - Advances in obstetrics and maternity care.
- Unit XIII: Gynecological Nursing** **4 hrs.**
- Common Gynaecological Problems
 - Cervical erosions, Carcinoma
 - Fibroids, Uterine and Cervical Prolaps
 - Uterine Inversion etc.

Practicum:

Practice following Procedures

- Antenatal, Postnatal & per vaginal exam.
- Conduct normal delivery (For male candidates minimum conduct of 5 deliveries)
- Motivation of Planned Parenthood, advice on family planning methods.
- Assist in various diagnostic & therapeutic procedure including IUD insertion & removal.
- Follow Nursing process in providing care to 3-6 patients.

Practicum / Clinical Experience:**Total Hours: 240**

- Antenatal OPD or ANC Ward: **hours: 50**
- Labour Room: **hours: 60**
- Post natal ward/ OPD: **hours: 50**
- Gynaecology ward: **hours: 30**
- OPD, Family Planning clinics & visits: **hours: 30**
- Operation Theatre: **hours: 20**

Evaluation:

Paper	Subject	Duration	Internal Assessment	External Assessment	Total Marks
	Maternal Nursing				
6.	Theory	3	25	75	100
	Practical		50	50	100

Internal Assessment:

Theory:	25 Marks
Practical:	50 Marks
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Total:	75 Marks
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Details as follows:**Internal Assessment (Theory): 25 Marks**

(Out of 25 Marks to be send to the University)

Mid-Term:	50 Marks
Prelim:	75 Marks
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Total:	125 Marks
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(125 Marks from mid-term & prelim (Theory) to be converted into 25 Marks)

Internal Assessment (Practical): 50 Marks

(Out of 50 Marks to be send to the University)

1. Mid-Term Exam:	050 Marks
2. Preliminary Exam:	050 Marks
3. Clinical Evaluation & Clinical Assignment:	500 Marks
i. Case study: Two (50marks each):	100 Marks
ii. Case presentation: One:	050 Marks
iii. Clinical evaluation (100 marks each):	300 Marks
ANC/ LABOUR ROOM/ PNC	
iv. Group Health teaching (One):	025 Marks
v. Nursing care Plan (Gyanae: One):	025 Marks

Total Marks:	600 Marks
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(600 Marks from Practical to be converted into 50 Marks for Internal Assessment (Practical))

External Assessment (Theory): 75 Marks

(University Examination).

External Assessment (Practical): 50 Marks

(University Examination).

References

1. Myles Text Book of Midwives, Eds; Diane M. Fraser and Margaret A. Cooper 14th Ed, Churchill Livingstone.
2. D.C. Dutta Text Book of Obstetrics including Perinatology and Contraception 6th Edition, 2004 New Central Book Agency.
3. Hawkins and Bourne, Shaws Textbook of Gynaecology, Eds; V.G Padubidri and Shirish N Daftary, 13th ed, Reed Elseiver India.
4. S S Ratnam, K Bhasker Rao and S Arulkumaran, Obstetrics and Gynaecology for Postgraduates, Vol 1 and Vol 2, Orient Longman Ltd 1994
5. Lower milk, perry, Bobak: "Maternity and women's Health Care" 6th ed.; 1997. C.V Mosby.
6. C.S.Dawn: Textbook for obstretics & neonatology 12th edition.

Child Health Nursing

Placement: 1st Year

**Time Allotted Theory: 60hrs
Practical: 240hrs**

Course Description:

This course is aimed at developing an understanding of the modern approach to child care, the principles of child health nursing and the common problems of neonates and children in health and sickness.

Objectives:

At the end of the course, the students will be able to:-

1. Explain the modern concept of child care and the principles of child health nursing.
2. Describe the normal growth and development of children in various age groups.
3. Explain the physiological response of body to disease conditions in children.
4. Identify the health needs and problems of neonates and children, plan and implement appropriate nursing interventions.
5. Identify the various preventive, promotive and rehabilitative aspects of child care and apply them in providing nursing care to children in the hospital and in the community.

Course Content:

Unit I:	Introduction To Child Health Nursing	8 hrs.
	<ul style="list-style-type: none"> - Modern concept of childcare Internationally accepted rights of child. - Changing trends in hospital care, preventive, promotive and curative aspects of child health Child morbidity and mortality rates - National policy and legislation's in relation to child health and welfare. - National programmes related to child health and welfare. - Differences between adult and child - Hospital environment for a sick child and role of a paediatric nurse in caring for the hospitalized child - Principles of pre and post operative care of infants and children - Paediatric nursing procedures Prepn of child for diagnostic tests, collection of specimens, calculation and administration of oral and parenteral medication, feeding, adm of oxygen, nebulisation, collection of specimens, exchange transfusion, restraints 	
Unit II:	The Healthy Child	12 hrs.
	<ul style="list-style-type: none"> - Growth & development ---. Principles & factors affecting growth & development. - Assessment of growth and development Growth & development from birth to adolescence, needs of normal children through stages of development and parental guidance. - Nutritional needs of infants and children principles of paediatric nutrition Breast-feeding Artificial feeding & Weaning - Infancy, toddler, pre schooler, school age child and adolescents. - Role of play in children - Need, importance and value of play, selection of play material and nurse's role. - Preventive immunization. 	

Unit III:	Care of the Newborn.	4 hrs.
	<ul style="list-style-type: none"> - Characteristics and care of a newborn. - Asphyxia neonatorum & neonatal resuscitation. - Low birth weight infants - Nursing management of common neonatal disorders. <ul style="list-style-type: none"> - Neonatal jaundice & phototherapy - Neonatal sepsis & hypoglycemia - Organization of Neonatal units, Prevention & Control of infection - Critical care concept in child health 	
Unit IV:	Nursing Management of Common Childhood Illness.	32 hrs.
	<p>a. Nutritional deficiency disorders.</p> <ul style="list-style-type: none"> - Protein energy malnutrition - Vitamin deficiency disorders (Rickets, scurvy, Vit A deficiency disorders) <p>b. Respiratory diseases & disorders.</p> <ul style="list-style-type: none"> - Acute bronchitis & Bronchiolitis - Pneumonia - Branchial Asthama <p>c. Disorders of the gastro-intestinal system.</p> <ul style="list-style-type: none"> - Acute gastroenteritis - Tracheo esophageal fistula - Cleft lip and palate - Hypertrophic Pyloric Stenosis - Hirschsprung's disease & Intestinal Obstruction - Anorectal anomalies. <p>d. Cardiovascular system</p> <ul style="list-style-type: none"> - Rheumatic fever - Congenital heart diseases - Congestive cardiac failure <p>e. Disorders of Genito urinary System</p> <ul style="list-style-type: none"> - Acute glomerulo nephritis - Nephrotic Syndrome - Wilm's tumour & Congenital disorders. <p>f. Neurological disorders</p> <ul style="list-style-type: none"> - Convulsions in children & Epilepsy - Meningitis & Encephalitis - Hydrocephalus, Meningocele and meningocele. <p>g. Haematological disorders</p> <ul style="list-style-type: none"> - Anaemia & Thalassemia - Idiopathic thrombocytic Purpura & Hemophilia - Leukaemia 	

h. Endocrine Disorders

- Juvenile Diabetes Mellitus

i. Orthopedic Disorders

- CTEV (Club foot), Congenital hip dislocation
- Fractures

j. Disorders of Skin, Eye & ENT**Skin:**

- Eczema, urticaria, scabies, pediculosis, worm infestations.

Eye & ENT:

- Tonsillitis, Deafness, Otorrhoea, Otitis Media, Cong Cataract, hypertelorism

k. Communicable Diseases in Children

- Measles/rubella, Chicken pox
- Diphtheria, whooping cough
- Tetanus, Poliomyelitis
- AIDS
- Tuberculosis

l. Paediatric Emergencies

- Accidents, Poisoning, Stings & Bites
- Foreign bodies, Haemorrhage & Drowning Burns

Unit V: Management of Behavioural Problems in Children Childhood Illness. 04 hrs.

- Enuresis, Encoprecis, temper tantrums somnambulism, juvenile delinquency, speech defects, tics, pica, antisocial behaviour
- **Management of challenged children**
Need for early diagnosis, treatment and rehabilitation of Mentally challenged - Mental retardation
- Physically challenged - Cerebral palsy
Socially challenged - Child abuse & child labour

Practicum:

The students will: -

1. Be posted in paediatric medical and surgical ward, OPD in hospital, health centre and neonatal unit..
2. Visit a centre for handicapped children and child welfare centre and write observation report.
3. Write an observation study of normal children of various age groups in home/nursery school/creche.
4. Follow nursing process in providing care to 3-6 children.
5. Write at least two nursing care studies and do a presentation.
6. Give two-planned health teachings, one in hospital and one in OPD/health centre.
7. Practice the following nursing procedures:
 - 7.1. Taking pediatric history
 - 7.2. Physical assessment of children
 - 7.3. Baby bath
 - 7.4. Feeding - spoon & vati, nezogastric feeding.
 - 7.5. Restraining

- 7.6. Calculation of dosage of drugs and administration of medications and injections & Intra Venous Infusion.
- 7.7. Collection of specimens
- 7.8. Enema. bowel wash. colostomy irrigation
- 7.9. Steam and Oxygen inhalation
- 7.10. Preparation to assist with diagnostic tests and operations
- 7.11. Examination/Assessment of a newborn
- 7.12. Neonatal resuscitation
- 7.13. Care of a baby in incubator and on ventilator
- 7.14. Photo therapy

Assist in exchange transfusion and other therapeutic procedures.

Clinical Experience:

Total Hours: 240

- Pediatric Medical **hours: 60**
- Pediatric Surgical **hours: 60**
- Intensive Pediatric Critical Unit **hours: 30**
- NICU **hours: 30**
- OPDs including (CWC, CGC) **hours: 30**
- Visits - (various agencies: i.e., crèches, schools, nursery, Special schools & handicapped, etc.) **hours: 30**

Evaluation:

Paper	Subject	Duration	Internal Assessment	External Assessment	Total Marks
	Child Health Nursing				
7.	Theory	3	25	75	100
	Partical				

Internal Assessment:

Theory:	25 Marks
Practical:	50 Marks
Total:	75 Marks

Details as follows:

Internal Assessment (Theory): **25 Marks**
(Out of 25 Marks to be send to the University)

Mid-Term:	50 Marks
Prelim:	75 Marks
Total:	125 Marks

(125 Marks from mid-term & prelim (Theory) to be converted into 25 Marks)

Internal assessment (Practicum):	50 Marks
(Out of 50 Marks to be send to the University)	
1. Mid-Term exam:	050 Marks
2. Prelim:	050 Marks
3. Clinical Evaluation & Clinical Assignment:	500 Marks
i. Case study (two):	100 Marks
(One Paediatric Medical & One paediatric surgical-50 marks each)	
ii. Case presentation (one)	050 Marks
iii. Clinical evaluation of compressive nursing care-	300 Marks
(One paediatric medical, One paediatric surgical & One NICU-100 Marks each)	
iv. Health teaching	025 Marks
v. Assessment of growth and development	100 Marks
(Preterm baby, Infant, Toddler, Preschoolar, and schoolar (Marks 20 each).	
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Total:	675 Marks
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(675 Marks from Practicum to be converted into 50 Marks)

External Assessment:	125 Marks
(University Exam)	
Theory:	75 Marks
Practical:	50 Marks
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Total:	125 Marks
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References:

1. Marlow Dorothy and Redding. Textbook of Peadiatric Nursing. 6th edition Hartcourt India Ltd, New Delhi, 2001.
2. Wong Dona et al. Whaley and Wongs Nursing care of Infants and children. 6th edition. Mosby Company, Philadelphia, 2000.
3. Black G Florence and Wright. Essential of Paediatric Nursing. J B Lippincott & Co. Philadelphia.
4. Parthasarathy et al. IAP Text book of Peadiatrics. 1st edition Jaypee Brothers, New Delhi-2000.
5. Ghai OP et al. Ghai's Essentials of Peadiatrics. 5th edition. Mehta Offset works, New Delhi, 2000
6. Vishwanathan and Desai. Achar's Text book of Paediatrics. 3rd edition. Orient Langman. Chennai, 1999.

Medical -Surgical Nursing

Placement: 1st Year.

Allotted Theory: 90hrs.
Practical: 270 hrs.

Course Description:

The purpose of this course is to widen the students' knowledge and develop proficiency in caring for patients with Medical Surgical problems. This course includes review of relevant anatomy & physiology, pathophysiology in Medical Surgical disorders & the nursing management of these conditions.

Objectives:

At the end of the course, the F.Y.B.Sc. Nursing students will-

1. Explain relevant Anatomy & Physiology of various systems of the body.
2. Explain etiology, pathophysiology & manifestations of various disorders.
3. Explain the actions, side effects & nursing implications in administering drugs for various disorders.
4. Discuss the recent advancement in the investigations, treatment & care of patients with Medical Surgical conditions.
5. Develop skill in giving comprehensive nursing care to patients following the steps of nursing process.
6. Assist the patients & their families in identifying & meeting their own health needs.
7. Provide planned & incidental health education on various aspects related to disorder & relevant care.
8. Appreciate the role of the nurse in the Medical Surgical health team.

Course Contents:

Unit I:	Introduction to Medical Surgical Nursing	4 hrs.
	<ul style="list-style-type: none"> - Introduction to medical surgical nursing. - Review of concepts of comprehensive nursing care in medical surgical conditions. - Nurse, patient & his/her family - Functions of nurse in the outpatient department. - Intensive care units. * Staff requirement. Client's needs & nsg. care. 	
Unit II:	Nursing Management of Patients with Specific Problems	10 hrs.
	<ul style="list-style-type: none"> - Fluid & electrolyte imbalance. - Dyspnoea, cough & respiratory obstruction. - Fever & nursing care. - Shock & nursing care. - Unconsciousness & nursing care. - Pain perception & nursing care. - Acute & chronic illness & nursing care. - Terminal illness & nursing care. - Ageing & illness & nursing care. - Pre & post-operative care. - Nursing care of clients with incontinence. 	
Unit III:	Nursing Management of Patient with- Neurological & Neuro-Surgical Conditions.	08 Hrs.

- Review of anatomy & physiology of the nervous system & assessment of clients with CNS disorders.
- Pathophysiology, diagnostic procedures & management of:
 - Cerebro-vascular accident & nursing care.
 - Cranial, spinal & peripheral neuropathies & nursing care.
 - Headache & intractable pain & nursing care.
 - Epilepsy & nursing care.
 - Nursing care of clients with infectious & inflammatory diseases & trauma of the nervous system.
 - Nursing care of clients with common CNS disorders.
 - Recent advances in diagnostic & treatment modalities & drugs used in CNS disorders.
 - Brain, spinal tumours, congenital malformations, degenerative disorders.

Unit IV: Nursing Management Of Patients With Cardiovascular Problems. 08 hrs

- Review of relevant anatomy & physiology of cardio-vascular system & assessment of clients with cardio-vascular disorders.
- Pathophysiology, diagnostic procedures & management of-
 - Ischaemic heart disease.
 - Cardiac arrhythmias.
 - Congestive cardiac failure.
 - Rheumatic & other valvular heart diseases.
 - Endocarditis, cardiomyopathies, congenital heart diseases, hypertension, heart block.
 - Cardiac emergencies: cardiac arrest, acute pulmonary oedema, cardiac tamponade, cardiogenic shock, aneurisms & periphero- vascular disorders, recent advancement in cardiology.

Unit V: Nursing Management of Patient with Respiratory Problems. 06 hrs.

- Review of anatomy & physiology of respiratory system & assessment of clients with respiratory disorders.
- Pathophysiology, diagnostic procedures and management of upper and lower respiratory track infection
 - Bronchitis, bronchiectasis & nursing care.
 - Asthama, emphysema, empyema, atelectasis, COPD and nursing care.
 - Chest injuries, resp. arrest & insufficiency
 - Special respiratory therapies & drugs used in the management.

Unit VI: Nursing Management of Clients With Genitourinary Problems. 05 hrs.

- Review of anatomy & physiology of the genito-urinary system & assessment of clients with genito-urinary problems.
- Pathophysiology & management of-
 - Congenital disorders, urinary infections.
 - Nephritis, renal calculi.
 - Acute renal failure, chronic renal failure, end stage renal disease.
 - Special procedures: dialysis, renal transplant.
 - Benign prostatic hypertrophy.
 - Drugs used in the management of these patients.

- Unit VII: Nursing Management of Clients With Problems of - The Digestive Systems 10 hrs.**
- Review of anatomy & physiology of gastro-intestinal system & accessory organs & assessment of clients with gastro-intestinal tract disorders.
 - Pathophysiology, diagnostic procedures & management of -
 - Gastro-intestinal bleeding.
 - Peptic ulcer.
 - Acute abdomen.
 - Infections, colitis, diarrhoea, dysentery & mal-absorption syndrome.
 - Cholecystitis.
 - Hepatitis, hepatic coma & cirrhosis of liver, portal hypertension.
 - Pancreatitis.
 - Tumours, hernias, fistulas, fissures, haemorrhoids.
 - Drugs used in the management of these patients.
- Unit VIII: Nursing Management of Patients with Endocrine Problems. 5 hrs.**
- Review of anatomy & physiology & assessment of clients with endocrine disorders.
 - Pathophysiology, diagnostic procedures & management of -
 - Thyroid disorders.
 - Diabetes mellitus, diabetes insipidus.
 - Adrenal tumours, pituitary disorders.
 - Drugs used, diagnostic procedures & nursing management of patient with above problems.
- Unit IX: Nursing Management of Patients with Musculo Skeletal Problems. 5 hrs.**
- Review of anatomy, physiology & assessment of patients with musculo-skeletal disorders.
 - Osteomalacia, osteoporosis, osteomyelitis, bursitis.
 - Fractures, dislocation & trauma.
 - Prolapsed disc.
 - Prosthesis & rehabilitation.
 - Transplant & replacement surgeries.
- Unit X: Nursing Management of Patients With- Disorders of Female Reproductive Tract. 3 hrs.**
- Disorders of menstruation & inf. of genital tract. *Benign & malignant tumours of genital tract & RVF & VVF. * Climacteric changes & associated problems.
- Unit XI: Nursing Management of Patients with Oncological Disorders. 5 hrs.**
- Types of neoplasms & related pathophysiology, diagnostic procedures, modalities of treatment & nurses' role.
 - Special therapies: chemotherapy & radiotherapy & nursing care.
 - Preventive measures, other therapies.
- Unit XII: Nursing Management Of Patients With Burns & - Reconstructive Surgeries. 3 hrs.**
- Pathophysiology, assessment & nursing management of patients with burns.
 - Nursing management of patients with reconstructive surgeries.

- Unit XIII: Nursing Management of Patients with - Communicable Diseases, STDs & HIV/Aids. 5 hrs.**
- Nursing management of patients with common communicable diseases & STDs.
 - Nursing management of patients with immunological disorders including HIV/AIDs.
- Unit XIV: Nursing Management of Patients with Diseases of - Eye, Ear, Nose, Throat & Skin. 5 hrs.**
- Assessment & nursing management of patients with eye disorders. (Eye injuries, cataract, inf., and blindness)
 - Assessment & nursing management of patients with ear disorders (Deafness).
 - Assessment & nursing management of patients with nose & throat disorders. (DNS, tonsillitis).
 - Assessment & nursing management of patients with skin disorders. (Fungal inf., herpes, psoriasis etc)
- Unit XV: Nursing Management of Patients with Blood Disorders. 5 hrs.**
- Review of anatomy & physiology of blood & blood products.
 - Pathophysiology, diagnostic procedures & management of blood disorders.
 - Anemia, leukemia.
 - Bleeding disorders, haemophilia, purpura etc.
 - Blood transfusion, safety checks, procedure & requirements, management of adverse transfusion reaction, records for blood transfusion.
 - Management & counseling of blood donors, phlebotomy procedure, & Post-donation management.
 - Blood bank functioning & hospital transfusion committee. Biosafety & waste management in relation to blood transfusion.
- Unit XVI: Nursing In Emergencies. 3 hrs.**
- Cardiac emergencies. (Included in unit iv)
 - Trauma.
 - Poisoning.
 - Crisis mgt: thyroid, hypertensive, & adrenal crisis included in unit viii & iv.

Practicum/Clinical Experiences:	Total hrs. 270.
1. Medical unit	hrs.25.
2. Surgical Unit	hrs.25.
3. Cardiology Unit	hrs.30.
4. Neurology Unit	hrs.30.
5. Intensive care Unit	hrs.35.
6. Critical care Unit	hrs.35.
7. Burns Unit	hrs.15.
8. Orthopaedic Unit	hrs.15.
9. Ophthalmic Unit	hrs.10.
10. Ear, Nose Throat Unit	hrs.10.
11. Artificial Kidney Dialysis	hrs.15.
12. Oncology Unit	hrs.10.
13. Skin ward	hrs.10.
14. General OPD	hrs.05.

Evaluation:

Paper	Subject	Duration	Internal Assessment	External Assessment	Total Marks
	Medical - Surgical Nursing				
8.	Theory	3	25	75	100
	Partical		50	50	100

Internal Assessment:

Theory:	25 Marks
Practical:	50 Marks
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Total:	75 Marks
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Details as follows:

Internal Assessment (Theory): **25 Marks**

(Out of 25 Marks to be send to the University)

Mid-Term:	50 Marks
Prelim:	75 Marks

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Total:	125 Mark
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(125 Marks from mid-term & prelim (Theory) to be converted into 25 Marks)

Internal Assessment (Practical): **50 Marks**

(Out of 50 Marks to be send to the University)

- | | |
|---|-----------|
| 1. Mid-Term Exam | 050 Marks |
| 2. Prelim | 050 Marks |
| 3. Clinical Evaluation & Clinical Assignment: | 600 Marks |
| 1. Case Study (Two) (50 Marks Each)
(One Medical & One Surgical Nursing) | 100 Marks |
| 2. Case Presentation (Two) (50 Marks Each)
(Any specialty i.e., ENT/Ophthalmology/Skin/Burns.) | 100 Marks |
| 3. Nursing care plans (25 marks each)
i.e., Neurology/Orthopedic/Cardiology/Onchology. | 100 Marks |
| 4. Clinical Evaluation Comprehensive Nursing Care-
(100 marks each) i.e., medical Nursing, Surgical Nursing,
Critical Care Units. | 300 Marks |

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Total:	700 Marks
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(700 Marks from practical to be converted into 50 Marks)

External Assessment: **125 Marks**

(University Examination)

Theory:	75 Marks
Practical:	50 Marks

References:

1. LongPhipps. Casseyer. Medical Surgical Nursing. A Nursing process approach. Pub. Mosby co. 1993
2. Lewis, Collier, Heitcemper. Medical Surgical Assessment& management of clinical problems.
3. Brunner & Suddharth. Medical Surgical Nursing Pub. J.B.Lippincott co.
4. Luckmann& Sorensen. Medical Surgical Nursing: A phschophysiologic approach. Pub. W.B. Saunders co.
5. Joyce M. Black, E.M. Jacobs; Medical, Surgical Nursing, Clinical Management for continuity of care; 5th ed. ; 1997; by W.B. Saunders company.(part I&II).

ENGLISH

Placement: 1st Year

Time Allotted: Theory - 60 Hrs

Course Description:

This course is designed to help the student understand and usage of English language required for their professional work.

Objectives:

After the course the students will develop

1. Ability to speak and write grammatically correct English
2. Effective skill in reading and understanding the English language
3. Skill in reporting.

Course Contents:

Unit I:

15 hrs.

- Remedial study of Grammer
- Review of grammer, vocabulary and effective use of dictionary
- Prepare task-oriented seminars
- Symposia and panel discussion.

Unit II:

10 hrs.

- The ability to understand selected passage and express meaning in one's own words.
- Reading and comprehension of the prescribed books.

Unit III:

20 Hrs.

- The Study Of Various Forms Of Composition
- Note Taking
- Diary
- Nurse's Notes, Anecdotal Records
- Writing Of Summary
- Nurses Reports On Health Problems
- The Students Will Submit One Sample Of Each Item From Her Own Practical Experience.

Unit IV:

15 hrs.

- Verbal communication
- Oral reports
- Summarization of discussion
- Debate
- Listening comprehension - Film, Cassette and Radio.

Practicum:

- The clinical experience in the wards and bedside nursing will provide opportunity for students to fulfill the objectives of learning language.
- Assignment on writing and conversation through participation in discussion, debates, seminars and symposia. The students will gain further skills in task-oriented communication.

Evaluation:

Paper	Subject	Duration	Internal Assessment	External Assessment	Total Marks
	English -Qualifying				
9.	Theory	3	100 College level qualifying exam, minimum-passing Marks 33%.		100

* College level qualifying exam to appear in University Examination, minimum passing Marks 33%.

Internal Assessment:**100 Marks**

(Out of 100 Marks to be send to the University along with Internal Assessment Marks of other subjects for inclusion in the Mark Sheet.)

Mid-Term: 50 Marks

Prelim: 50 Marks

Total: 100 Mark

References:

- Some extracts from the book “ How to Win Friends & Influence People” - Dale Carnegie

Schedule for Basic BSc Nursing/ Post Basic and MSc Nursing Admission 2019-20. Odisha Nursing Admission 2019-20. Important Dates. For Post Basic B.Sc Nursing. Selection will be made entirely on the basis of merit in the Entrance Examination. The entrance test for Post Basic B.Sc Nursing will consist of one paper of 3 hours duration, containing 150 multiple choice questions covering subjects taught in GNM curriculum. The questions will be of multiple choice type. Wrong answers will carry negative marks. The minimum educational requirements shall be the passing of General Nursing & Midwifery examination conducted by ONMEB Odisha or equivalent thereof. The candidate shall be medically fit for the course. JIPMER Nursing 2018 Third Counselling for B.Sc Nursing is conducted on 19th September 2018. Jawaharlal Institute of Postgraduate Medical Education & Research (JIPMER) conducts the JIPMER Nursing entrance exam. It is organized for providing admission to nursing courses. Here we are giving the official exam schedule for JIPMER Nursing Exam 2018: Events. Dates (Announced). Students applying for the JIPMER Nursing 2018 must read the prospectus first. JIPMER Nursing 2018 application form is available on the website through online mode. At the time of filling the application form, candidates are asked to upload the scanned photograph (taken on or after 31st January 2018), signature & category certificate (if applicable) in specified format. Law degree in the Health Law Track. Part-time study is also possible and plans of study can be developed with faculty advisors. Core courses (9.5 course units): NURS540 Current Issues In Health and Social Policy. This course examines health care from an economic perspective tailored for the nurse manager and executive. Emphasis is on the allocation of health care resource policies in the United States with examination of different health care programs. NURS651 Healthcare Informatics. This course is designed to introduce the student to fundamental concepts and issues surrounding technology and information management in today's rapidly changing health care environment. Emphasis will be placed on defining informatics and the models and theories used in its development.