



Estd.2003

St John Para Medical Institute

(Affiliated) To Para Medical Board of India, New Delhi)

:Campus: **K. S Saket P. G College Ayodhya faizabad**

SYLLABUS

DNA

Provided by

PARA MEDICAL BOARD OF INDIA
NEW DELHI

DNA
FIRST YEAR

COURSE CODE	SUBJECTS	(MAX. MARKS)	
		THEORY	PRACTICAL
N-1101	ANATOMY.	100	50
N-1102	PHYSIOLOGY.	100	50
N-1103	FIRST AID IN EMERGENCY.	100	50
N-1104	BED SIDE NURSING	100	50
N-1105	SOCIOLOGY FOR NURSES	100	50

SECOND YEAR

	SUBJECTS	(MAX. MARKS)	
		THEORY	PRACTICAL
N-2101	MEDICINE OF NURSES.	100	50
N-2102	MIDWIFERY	100	50
N-2103	PHARMACOLGY FOR NURSES	100	50
N-2104	PSYCHIATRIC NURSING	100	50
N-2105	BIOCHEMISTRY FOR NURSES	100	50

Recomonded Books

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|-----------------------------|----------------------------|
| 1. Anatomy for Nurses | P.Ssarswathi |
| 2. Physiology | C.C Cheterji |
| 3. First Aid in Emergency | |
| 4. Bed Side Nursing | |
| 5. Sociology For Nurses | |
| 6. Medicine of Nurses | P.K. Dash & UN Panda |
| 7. Midwifery | T.K Indrani |
| 8. Pharmacology for Nurses | J.K. Grover & Monica Malik |
| 9. Psychiatric for Nurses | M.S.Bhatia |
| 10. Biochemistry for Nurses | Kasarla Rajeshwar Reddy |

D.N.A-I YEAR
ANATOMY
CODE-N-1101

ANATOMY

“The branch of science dealing with morphology or structure of organism”. (Anatomy)

INTRODUCTION-

- a) Common Anatomical terms & Anatomical Positions Different part of the human Body.
- b) Tissues & Classification.

SYSTEMS-

1. **Skeletal system-**: Bones, Joints & Movements, and Muscles.
2. Nervous System-: **C.S.F & spinal cord, Neurons & Brain and Sympathetic & Parasympathetic.**
3. Cardio – Vascular System-: **Heart, Lymphatic & Venous system, Peritoneum, Arterial system, and surface making, important Blood Vessels & Muscles.**
4. Haematology- **Blood, Blood cells**

D.N.A-I YEAR
PHYSIOLOGY
CODE-N-1102

PHYSIOLOGY

“The science concerned with the normal function of the living organism and its component including the physical and chemical process involved” (Physiology)

INTRODUCTION-

SYSTEMS-

1. **Digestive system -:** Mastication and Deglutition, Function and composition of saliva, function of stomach, function and composition of gastric Juice, function of Pancreatic Juice, function of Bile.
2. **Blood -:** Function and composition of Blood, Description of blood cells, Anti- coagulants, Function of Lymph, Anemia and its type, Blood group- A, B, AB,O and Rh factor
3. **Cardio- vascular system-:** Define the cardiac out –put, Define the Blood pressure, ECG, Systematic and Pulmonary circulation, Cardiac cycle, function of blood vessels, function of Heart.
4. **Respiratory system-:** Define Respiratory rate, External and Internal respiration, Transport of o₂ and Co₂ in the Blood, function of respiration its structure, Vital capacity, cyanosis.

D.N.A – I YEAR
FIRST AID IN EMERGENCY
CODE- N-1103

“First aid in Emergency-: In emergency Assistance given to the Injured or diseased Person before arrival of a physician or transportation to the hospital”.

INTRODUCTION-

1. **First Aid-** General principles.
2. **Emergency patient** – an introduction to layman approach, transportation of Emergency patient, artificial respiration.
3. **CPR-** (Cardiopulmonary resuscitation), Choking, asphyxiation.
4. **Hives-** (Urticaria) Giant hives.
5. **Rhythm of the heart-** some common disturbances, heart attack, chest pain, asthmatic attack, tachycardia, atrial flutter, bradycardia.
6. **Palpitation**, sudden cough, over breathing, dehydration.
7. **Acute corrosive gastritis**, food poisoning, hematemesis, convulsions.
8. **Coma** in a diabetic patient.
9. **Poisoning**
10. **Heat cramps**, low body temperature, electric shocks.
11. Hanging and strangulation (throttling) Suicidal patients, drowning.
12. **Bleeding**, Bruises (Contusion) Bleeding of Nose (Epistaxis) foreign object of the nose foreign body of the eye.
13. **Fracture management** – Open fracture, dislocations sprain and strain.
14. **Injuries to the eye-** Chemical injuries.
15. Sports injuries.

D.N.A- I YEAR
SOCIOLOGY FOR NURSES
CODE –N-1104

“Sociology-: The Science that treats man as a Social being, in the origins organization & Development of Human Society and human Culture”.

- a) **Sociology-:** Definition of sociology, Nature of sociology, Method of sociology.
- b) **Fundamental concept:** - Community, association, Institution, personality, Function of culture, medical care.
- c) **Social structure -:** Type of groups, character of group, structure of groups, relation group, characteristics of urban and cities health, social mobility, Health and family life, Marriage –Kind of marriage, Divorce.
- d) **Social Institution & Social process and Control-:**Development of institution and its functions, relationship, social process –cooperation, accommodation, alcoholism and drugs, an diction, handicap mental & Physical, Definition of social control, kinds of social control, social deviation.
- e) **Social change-:** Factor (Biological, technological, demographic economic, cultural, Planned health programmers for social welfare.
- f) **Economy and health economy-:** Basic economic terms (Micro and Macro), Community development and community health, population –causes of high birth rate in India, economic conditions, health condition
- g) **Income-:** National, Personal, the five-year plan (first to seventh), Expenditure method.
- h) **The Panchayati Raj.**
- i) **Women and health.**

D.N.A-I YEAR
BED SIDE NURSING
CODE-N-1105

1. Concept Of Community Care-:
 - FAMILY PLANNING CLINIC
 - (Ante natal clinic.
 - Care for postnatal lady.
 - Care for New Born Baby.
 - Care for infant.
 - Care for Children.
 - Care for Adult.
 - Care for old age Patients.
 - Care for dying patients.
2. Patient Enlivenment Related to Diseases-:
 - Historical.
 - Occupational
 - Bacterial.
 - Horsing.
 - Family.
3. Nurse duty at admission.
4. Care for patients Hygiene.
5. Care for Body Posture.
6. Food for Patients.
 - Energy value of foods.
 - Type of Nutrition's
 - Planning of diet.
 - Feeding of Patient.
 - Ryles tube feeding.
 - Vitamins and Minerals.
7. Water and Electrolyte Balance.
 - Type of I/V fluids.
8. Medicines for the Patients.
 - Route of Administration of medicines (Oral, topical, rectal, Inject able.
9. Administration of Oxygen.

D.N.A- II YEAR
MEDICINES FOR NURSES
CODE-N-2101

“Medical Science concerned with the prevention of diseases and promotion of health.”

1. **Clinical Observation-:** Pulse, Rhythm, Blood Pressure, Respiration, Cough & Sputum, Urine & Deposits of urine, Sugars, The faeces (Stool), Ketone bodies, bile pigments.
2. **Infection-:** Bacterial, Viral fungi, antimicrobial agents (antibiotics) Sulphonamides, Trimethoprim. Cotrimaxazole, Penicillin, Amoxicillin, Ciprofloxacin, Erythromycin, tetracycline, Chloramphenicol etc. Anti mycobacterium antiviral Drugs and Anti fungal Drugs.
3. **Infections and Tropical Diseases-:** Poliomyelitis, Whooping cough, Diphtheria, Tetanus, Typhoid fever, food poisoning Cholera, amoebiasis, malaria Worms (Round, hook , whip, tapeworm) Syphilis, Gonorrhoea, AIDS.
4. **Nutritional Factors in Diseases-:** Classification of nutritional disorder, Water, Electrolysis and Mineral, Dehydration, Oedema, Vitamin & Diseases due to deficiency.
5. **Diseases of Joints bones and Connective Tissue-:** Rheumatoid arthritis, mixed connective tissue disease (MCTD) Diseases of the bone.(Osteomalasia, Osteitis deformans)
6. **Diseases of the Blood -:** Anemia Hemorrhagic anemia due to blood loss), Iron deficiency anemia, Anemia of pregnancy.
7. **Diseases of the Urinary System -:** Anatomy of the urinary system, Physiology of urinary system, investigation of kidney function. Acute renal failure (ARF), urinary tract infection, Nephrotic syndrome Nephritis, Renal calculus.

D.N.A II YEAR
MIDWIVES
CODE-N-2102

“Midwife -: Science dealing with care of woman antipartally, Intrapartally and postpartally”.

1. **The Midwifery-:** Definition of the midwifery, ethics in midwifery, Risk management in midwifery.
2. **Pregnancy-:** Preparing for pregnancy, Abnormalities of early pregnancy, Hypertensive disorders, Sexually transmissible and reproductive tract infection in pregnancy
3. **Labour-;** the first stage of labour -: Physiology and early care, Management of the all stage of labor, Prolonged pregnancy and disorders of Uterine action, Obstetric Anesthesia and operations.
4. **Miscellaneous-:** Community Health of Social Services. Introduction, Role of community Health & Social Services, The legal framework, Maternity right & benefits.
5. **Vital Statistics-:** Notification of birth, Registration of birth, Birth & Death rates.
6. **Special Exercise for Pregnancy, Labor and the Puerperium-:** Back care , Antenatal relaxing exercises, Post natal exercises.

D.N.A-II YEAR
PHARMACOLOGY
CODE-N-2103

“Pharmacology is a study of effective and sage use of Drugs in the Diagnosis, Prevention or treatment of disease”.

1. **General Pharmacology-:** Introduction to Pharmacology, Weights and Measures, Prescription, Storage of Drugs and Drug Containers, Routes of Drug Administration, Drug Treatment During Pregnancy and Lactation, Drugs in Renal Failure, Nursing Care of patients with Terminal Illness.
2. **Digestive System-:** Pharmacology of Digestive system, Drugs Used in Treatment of Peptic Ulcers, Purgatives.
3. **Haemopoietic System-:** Pharmacology of Haemopoietic System, Anticoagulants.
4. **Drugs Acting on Urinary Tract-:** Drugs Acting on Urinary Tract, Drugs affecting Uterine Motility
5. **Drugs Acting on the Respiratory System-:** Drug Acting on the Respiratory system, Respiratory Gases, Drugs Used in Bronchial Asthma.
6. **Chemotherapy-:** Chemotherapy, Sulphonamides, Penicillin, Quinolones (By Dr. Vikrant Vats) Chemotherapy of Tuberculosis, Drugs Used in Malaria, Drugs Used in Amoebiasis, Antifungal Antibiotics, Anthelmintics.
7. **Vitamins & Immunity-**

D.N.A- II YEAR
PSYCHIATRY-
CODE-2104

Psychiatric-: “Medical specialty concerned with mental Disorder and problems of emotional character”.

1. **General Aspects-:** Definitions of psychiatric terms, Common psychiatric problem, psychiatric case taking
2. **Mental Disorder-:** Definitions classification, symptoms & management of schizophrenia, neuroses , psychoses.
3. **Psychiatric Disorders-:** Organic Mental disorder, Delirium, Dementia, drug induced withdrawal, Alcohol & other psychoactive substances use disorder-: Definition, Aetiology and principles of management of sedative, hypnotic or anxiolytic dependence, Stimulation dependence.
4. **Psychiatric Aspects of Epilepsy-:** Definition, Classification, Aetiology, complication, Differential diagnosis and management- Prognostic factors.
5. **Anxiety Disorders (Neuroses)-:** History, Aetiology and Classification & Management, Specific Disorders (System wise)
6. **Psychosexual Disorders-:** Sexual Dysfunctions. **Personality Disorders-:** Normal Versus abnormal Personality, Personality Traits versus Disorders, Types of personality disorder.
7. **Sleep Disorders-:** Normal Sleep (Stages and Physiological changes), Myoclonic sleep disorder, Sleep walking (Somnambulism), Night terrors and nightmares
8. **National Mental Health Programmes (Objectives, Aims, Approaches)**

D.N.A- II YEAR
BIOCHEMISTRY FOR NURSES
CODE-N-2105

1. Introduction to Biochemistry
2. Structure and Function of cell
3. Electrolytes
4. Carbohydrate and Lipids, Protein
5. Proteins
6. Vitamins
7. Enzymes
8. Chemistry of Digestion
9. Metabolism (i)Carbohydrates ,Lipids, Proteins
10. Chemistry of Blood, Urine
11. Minerals
12. Hormones
