



# ALL INDIA INSTITUTE OF MEDICAL SCIENCES, PATNA

(An autonomous organization under the Ministry of Health & Family Welfare, Govt. of India)

Website: <http://www.aiimspatna.edu.in>

Advertisement No: **F-137738/AIIMS/Pat/Tutor/2023**

Dated: 23<sup>rd</sup>, September, 2023

## Subject: Recruitment to the post of Tutor/ Clinical Instructor (Nursing) on DIRECT RECRUITMENT BASIS.

Online applications are invited for the post of Nursing Tutor/ Clinical Instructor on **DIRECT RECRUITMENT BASIS** in All India Institute of Medical Sciences, Patna (Bihar) on the terms and conditions specified.

S. No.	Name of the Post	Group	Total Post*	Reservation**				
				UR	OBC	SC	ST	EWS
1	Tutor/ Clinical Instructor (Nursing)	A	20	10	05	02	01	02

**Note: -**

- \*The number of Post(s) is tentative and liable to change, based upon the Institute's requirements.
- \*\* 4% horizontal reservation will be applicable to Physically Handicapped category as per the Government of India Rules. Disability under which post is identified: **OL- One Leg, AAV- Acid Atack Victims, Dw- Dwarfism, LC (OL)- Leprosy Cured (One Leg)**

Sl. No.	Name of the Post	Pay	Age Limit	Qualification/ Experience
1	Tutor / Clinical Instructor (Nursing)	Rs. 15,600 – 39,100 with Grade Pay Rs. 5,400/- (Level-10 as per 7 <sup>th</sup> CPC)	50 Years	<b><u>Essential Educational Qualification:-</u></b> 1. B.Sc. (Nursing) degree from a recognized University/Institution. OR, Registered Nurse and Midwife with sister tutor's Diploma AND 2. 3 years' experience in a Teaching Institution

### **GENERAL CONDITIONS**

- All posts carry usual allowances as admissible to Central Government Employees.
- APPLICATION PROCESS:-**
  - The aspiring applicants satisfying the eligibility criteria in all respects can submit their application through ON-LINE mode only. The On-line registration of application will be made available on AIIMS, Patna official websites [www.aiimspatna.edu.in](http://www.aiimspatna.edu.in) from **1<sup>st</sup> October, 2023**.  
**Cut-off date:** 15<sup>th</sup> day from the date of publication of the advertisement in Employment News/Rozgar Samachar.
  - The applicants applying in response to this advertisement should satisfy themselves regarding their eligibility for the post applied for. They must be fulfilling eligibility criteria as on the closing date of

Online applications i.e. should have passed qualifying exam for essential educational qualification /have completed duration of experience as given in Recruitment Rules on or before the Cut-off date. In those cases, where one passes exam or completes duration of experience after this date, their candidature will stand cancelled.

- iii) Candidates must upload the documents/certificates in support of all the claims made by them in the application like, Date of Birth, Experience (in sequence as mentioned in application), Essential qualification(s), No Objection Certificate to apply for the post from the Authority, etc. or any other information, separately against each claim in PDF file in such a way that file size does not exceed 2 MB and is legible when a print is taken out. For that purpose, the applicant may scan the documents/certificates in 200 dpi grey scale. Documents like Pay Slip, Resume, Appointment letter, Relieving letter, Un-signed Experience Certificate etc. must not be uploaded in Document upload module.
- iv) Matriculation/10<sup>th</sup> Standard or equivalent certificate indicating date of birth, or mark sheet of Matriculation/10<sup>th</sup> Standard or equivalent issued by Central /State Board indicating Date of Birth in support of claim of age. Where date of birth is not available in the form of certificate/mark sheets issued by concerned Educational Boards, in such cases School Leaving Certificate indicating Date of Birth (in case of Tamil Nadu & Kerala) is acceptable.

#### **Educational Qualification certificates:**

- v) Educational Qualification Certificates as per Recruitment Rules for the post applied must be uploaded. In case of those who have equivalent educational qualifications, Order/letter in respect of equivalent Educational Qualifications claimed, indicating the Authority (with number and date) under which it has been so treated, in respect of equivalent clause in Essential Qualifications, if a candidate is claiming a particular qualification as equivalent qualification as per the requirement of advertisement.

#### **Experience Certificate:**

- vi) The Experience Certificate should be from the Head(s) of Organization(s)/Department(s) for the entire experience claimed, clearly showing the, duration of experience (“from” to “to”), Nature of experience (either teaching and/or research) etc. The candidates can only mention those teaching experiences which are recognized by INI or MCI/NMC recognized teaching institutions, wherever applicable and possessed after acquiring requisite qualification for the applied post.

#### **Photo & Signature:**

- vii) The candidate must ensure that their photo and signature are clearly visible in preview at the time of filling of application in online mode. If photo/signature image is displayed small or not visible in preview on website, that means photo/signature is not as prescribed and, in that case, their application will be rejected. **Accordingly, candidates are advised to be very careful while uploading their photo and signature.**

#### **SC/ST/OBC/PwBD/EWS Certificate:**

- viii) Candidates applying under any of the reserved category posts, viz. SC/ST/OBC/PwBD/EWS will be considered subject to Caste/PwBD/EWS certificate issued by the appropriate/Competent Authority in the prescribed format. Community should be clearly and legibly mentioned in the Certificate.

#### **OBC Candidates:**

- ix) a) Candidates applying under OBC category must produce the valid caste certificate in the format provided by the DoPT vide O.M. No.36036/2/2013-Estt (Res.) dated 30.05.2014 and further

clarification issued by DoPT vide OM No.36036/2/2013-Estt (Res-I) dated 31.03.2016.

b) OBC candidate's eligibility will be based on the caste(s) included in the Central List of OBC, Government of India.

c) The vacancies are being advertised in financial year 2023-2024, therefore, valid NCL- OBC certificate issued during this financial year will be considered valid. Candidates not having valid NCL-OBC certificate, issued during this financial year will not be considered valid for this advertisement.

d) OBC candidate(s) should not belong to Creamy Layer and their sub-caste should match with the entries in Central List of OBC, failing which their candidature will not be considered for OBC post. They will however be treated as UR candidate (if UR posts are advertised).

**PwBD Candidates:**

- x) Only such persons would be eligible for reservation under PwBD category with not less than 40% of physical disability. Person who wants to avail the benefit of reservation would have to submit a Disability Certificate issued by a Competent Authority in the prescribed format as per "Rights of Persons with Disabilities Act, 2016", which came into force with effect from 19.04.2017. The candidature of PwBD applicant is subject to evaluation by the Medical Board duly constituted by the Competent Authority to ascertain the suitability of the candidate for the post for which he/she is being considered for.

**EWS Candidates:**

- xi) a) The vacancies advertised under EWS category are as per the instructions issued by DoPT, Ministry of Personnel, Public Grievances & Pension, Govt. of India, Vide OM No.36039/1/2019-Estt(Res) dated 31.01.2019. Applications under EWS category will be considered subject to submission of Income and Assets certificate in the prescribed format issued by the Competent Authority and subject to verification of genuineness of the certificate by the issuing authority.
- b) Candidates who fail to produce valid EWS certificate will not be considered for reservation under this category. They will however, be considered as UR candidate.
- c) As per DoPT OM No. 36039/1/2019-Estt(Res) dated 31.01.2019, the crucial date for submitting income and asset certificate by the candidates is the closing date for receipt of application for the post. Therefore, EWS candidate must ensure that they have a valid EWS certificate on or before the last date of submission of application.

**No Objection Certificate:**

- xii) No Objection Certificate from the present employer (in case of candidates working in Government/ Semi or Quasi Government, Government enterprises or Government funded autonomous institutions)

**Application Fee:**

- xiii) Applications which are not complete as required for online submission and applications where application fee is not submitted will be rejected without any communication. Therefore, to avoid any complication, candidates are requested to make sure that application fee is paid, online application is complete and is submitted on or before due date as given in this notice.

- xiv) Any query regarding technical problem in filling of on-line applications may be sent through email to [recruitment@aiimspatna.org](mailto:recruitment@aiimspatna.org)

**3. MAXIMUM AGE-LIMIT AND AGE RELAXATION:-**

- (i) 50 (Fifty) Years
- (ii) Upper age limit shall be determined as on respective cut-off date specified in the advertisement.

- (iii) No age relaxation would be available to SC/ST/OBC candidates applying for unreserved vacancies.
- (iv) The age concession to the PwBD shall be admissible irrespective of the fact whether the post is reserved for PwBD or not.
- (v) Age relaxation permissible to various categories is as under:

Sl. No.	Category	Age relaxation permissible beyond the upper age limit.
1.	SC/ST	05 years
2.	OBC	03 years
3.	PwBD	05 years
4.	Government Servant <sup>#</sup>	05 years

**#The age relaxation will be admissible to only those employees working under Central Government not under Autonomous Body/ State Government/ PSU and working in posts which are in the same line or allied cadres and here a relationship could be established that the service already rendered in a particular post will be useful for the efficient discharge of the duties of the post(s) to which has been advertised. Final Decision in this regard will rest with the Authorities of AIIMS, Patna.**

**Age relaxation is subject to the condition that maximum age of the applicant on the last date shall not exceed 50 years after availing age relaxation. Age relaxation to other categories of the candidates will be regulated as per the DoPT instructions.**

**4. APPLICATION FEES:**

- i) General/OBC Candidates - Rs.1500 (Rupees Fifteen Hundred only)
- ii) EWS Candidates - Rs.1200 (Rupees Twelve Hundred only)
- iii) SC/ST Candidates - Rs.1200 (Rupees Twelve Hundred only)
- iv) PwBD - Exempted
- v) Application fee once remitted shall not be refunded under any circumstances.
- vi) Applications received/submitted without the prescribed fee would not be considered and will be summarily rejected.

5. Relaxation in experience/qualification in respect of SC/ST candidates against Direct Recruitment is at the discretion of the Competent Authority, keeping in view the number of reserved positions and the decision of selection committee. In the normal course, one year relaxation can be allowed against 2-3 years' experience & 2-3 years in the case of 5-8 years prescribed experience.

6. All the original certificates/documents will be verified at the time of interview. The short-listed candidate(s) based on their submission, must bring one print out of on-line application, a set of self-attested photocopy as well as Original certificates/documents viz. (i) 10th class, (ii) essential qualifications and experience(s), (iii) valid caste certificate if applied under SC/ST/OBC/PwBD/EWS category issued by the Appropriate/Competent Authority (iv) No Objection Certificates (if in regular employment in any Govt./Semi Govt./ Government Enterprises/Government funded autonomous Institutions). Failure to produce these certificates/documents on the day of verification of documents/interview will lead to cancellation of candidature and candidate will not be allowed to appear for interview.

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## **OTHER INFORMATION FOR THE CANDIDATES**

1. All India Institute of Medical Sciences, Patna is an autonomous body established under an Act of Parliament.
2. Service under the AIIMS, Patna is governed by the Act and the Rules & Regulations framed there under.
3. Period of probation for all faculty posts will be two years.
4. The post(s) is/are whole time and private practice of any kind is prohibited.
5. The employees of the AIIMS, Patna will be governed by the New Pension Scheme as per the provision contained in the Ministry of Finance, Department of Economic Affairs (ECB & PR Division) Notification No. 5/7/2003-ECB&PR dated 22.12.2003.
6. The process of selection is interview conducted by Standing Selection Committee (SSC) of the Institute. However, if there are more number of candidates/applicants, for each category maximum five candidates for one post will be shortlisted for the interview by SSC. In such a situation, a computer based test (CBT) will be conducted for shortlisting of the candidates to appear before the SSC. Marks secure in CBT is only for shortlisting, which will not be carried forward for selection by SSC.
7. Applicants must possess the essential qualification and experience up-to-the cut-off date specified of online submission of application(s). Their candidature will be cancelled at any stage if it is found that their educational qualification or experiences is not recognized by the Govt. of India.
8. Incomplete application will be summarily rejected and communication in this regard will not be entertained.
9. The period of experience shall be counted after obtaining the prescribed educational qualification.
10. While every effort will be made to provide residential accommodation to the faculty appointed at AIIMS Patna subject to availability, but in view of the paucity of the residential accommodation in the campus, it may not be possible to provide accommodation to all faculty members. In the event that no accommodation is provided, necessary House Rent Allowance (HRA) as admissible to the Central Government Servants of similar status serving in station Patna will be provided as per rules.
11. Canvassing of any kind is strictly prohibited and if anyone is found canvassing, his/her candidature will be rejected.
12. The candidate should not have been convicted by any Court of Law.
13. AIIMS, Patna reserves the right to increase/decrease or withdraw any number of vacancies.
14. The Competent Authority reserves the right to amend, cancel or change this advertisement as a whole or in part without assigning any reason or giving notice.
15. The decision of the Competent Authority regarding short-listing of the candidates to be called for interview, verification of documents and selection of candidates would be final and binding on all candidates. No representation/correspondence will be entertained in this regard.
16. All disputes will be subject to jurisdiction of Court of Law at Patna.

**Clarification & Enquiries (only for queries related to Online Application Form):**

**Mail to: [recruitment@aiimspatna.org](mailto:recruitment@aiimspatna.org)**

**Sd/-  
Executive Director  
AIIMS Patna**

## INDICATIVE SYLLABUS FOR CBT FOR THE POST OF TUTOR/CLINICAL INSTRUCTOR (NURSING)

### NURSING FOUNDATIONS

- a). Health and Wellness: Definition of health, Concept of health, Concept of wellness and wellbeing Concept of health illness continuum, Models of health and illness, Variables influencing health and health beliefs and practices, Health promotion, wellness, and levels of, disease prevention, Risk factors influencing health.
- b). Nursing as a Profession: Nursing: Definition, concepts, philosophy, objectives, History of nursing in India, Characteristics, nature and scope of nursing practices, Qualities of a professional nurse, Professional responsibilities and roles of a nurse, Evidence Based Practice (EBP) in Nursing, Trends of nursing in India ,Ethics and values in nursing.
- c). Hospital Admission and Discharge: Admission to the hospital: Unit and its preparation admission bed. Admission procedure, Special considerations, Medico legal issues in admission, Roles and responsibilities of the nurse in admission. Discharge from the hospital: Types of discharge: Planned discharge, LAMA/DAMA and abscond, referrals and transfers. Discharge planning. Discharge procedure. Special considerations. Medico legal issues in discharge, Roles and responsibilities of the nurse in discharge. Care of the unit after discharge.
- d). Communication and Nurse Patient Relationship: Communication and nursing practice; Basic elements of communication process, Forms of communication, Professional nursing relationship, Elements of professional, communication ,Patient teaching: importance, purpose, process, role of nurse.
- e). Nursing Process and nursing care plan: Meaning, importance and steps in development.
- f). Documentation and Reporting: Documentation: Purpose of recording and reporting Communication within the health care team Types of records: ward records, medical/nursing records, Common record keeping forms, computerized documentation; Guideline for reporting: factual, basis, accuracy, completeness, correctness, organization, & confidentiality :Methods of recording ;Reporting: Change of shift ,reports, Transfer reports, incident reports.
- g). Vital Signs: Guidelines for taking vital signs.
  - i. Body temperature: Physiology, regulation, factors, affecting body temperature. Assessment of body temperature: sites, equipment's and technique, special considerations, Temperature alterations (hyperthermia, hypothermia & Heatstroke): assessment & management, Hot and cold applications.
  - ii. Pulse: Physiology and regulation, characteristics of the pulse, factors affecting pulse. Assessment of pulse: sites, location, equipment's and technique, special considerations. Alterations in pulse: Tachycardia and bradycardia.
  - iii. Respiration: Physiology and regulation, mechanics of breathing, characteristics of the respiration, factors affecting respiration. Assessment of respiration: techniques, special consideration. Alteration in respiration: types, assessment & management.
  - iv. Blood pressure: Physiology and regulation, characteristics of the blood pressure, factors affecting blood pressure Assessment of blood pressure sites equipment's and technique, special considerations Alterations in blood pressure: Hypertension and hypotension.
- h). Health Assessment: Purposes of health assessment, Health history taking, Physical examination-Preparation & organization of physical examination, Methods & techniques of physical assessment. General assessment, Head to toe examination, after care of physical assessment.
- i). Care of Equipment and Linen: Indent, maintenance and inventory; Disposable; Reusable; Rubber goods; Enamelware; Stainless steel articles; Glassware; Hospital furniture; Sharp instruments; Machinery.

- j). Care in Special Condition: Unconscious patient; Patient with fluid imbalance; Patient with Dyspnea; physically handicapped; Perineal care of terminally ill-patient with urinary catheter.
- k). Infection Control in Clinical Settings: Nature of Infection; Chain of infection transmission; Hospital acquired infection; Hand washing: Medical and surgical hand washing; Disinfection of equipment and unit.
- l). Barrier Nursing: Standard Safety precaution (Universal Precaution); Different types of hand washing; Personal protecting equipment's types, uses, techniques of wearing and removing.
- m). Biomedical waste management: Concept and importance; Segregation of hospital waste; Treatment, transportation and disposal of hospital waste.
- n). Administration of drugs: Purposes of drugs; Routes of administration; Principles: Rights, special consideration, prescription, safety in administering drugs; Storage and maintenance of drugs and nurses responsibility ;Factors influencing drugs action; Terminologies and common abbreviation used in prescription of drugs.
- o). First Aid - Meaning of First Aid; Rules of First Aid. First Aid in emergency Situation such as:- Fire, Earthquakes, Famines; Fractures; Accidents; Poisoning; Drowning; Hemorrhage; Insects bites; Foreign bodies ;Transportation of the injured Bandaging and splinting ;Immediate and later role of nurses
- p). The dying Patient: Signs and symptoms of approaching death; Needs of the dying patient and relatives; Care of dying and last offices; Packing of dead bodies in non-communicable and communicable diseases
- q). Meeting Needs of Hospitalized Patient:
  - i. Patient safety: Environmental safety: temperature, humidity, noise, ventilation, light, odour, pests control; Fall, fire and accident safety; Safety devices: restraints, side rails, airways, trapez etc.
  - ii. Hygiene: Hygienic care: Hair care, Oral care, Bed bath, Back care, Hand-feet & nail care, Eye care, Care of ear and nose; Patient environment: Unit cleaning/ disinfection.
  - iii. Comfort: Types of beds and bed Making; Comfort devices; Pain management: Nature, types, factors influencing pain, coping, assessment and management of pain.
  - iv. Elimination needs: Problems in sickness: Constipation, diarrhea, retention and in-continnence of urine; Nurses role in meeting eliminating needs.
  - v. Meeting nutritional needs: Importance of Nutrition; Factors effecting nutritional needs.
  - vi. Activity and Exercises: Importance of activity and Exercise in health and sickness, active and passive Exercise.

### **MEDICAL SURGICAL NURSING (INCLUDING PATHOPHYSIOLOGY & PHARMACOLOGY)**

- a) Role and responsibilities of a nurse in Medical and Surgical Settings : Outpatient Units; In- Patient Units; Intensive Care Units; Home and Community setting
- b) Care of Surgical patient : Pre-operative; Intra operative; Post-operative; Nurses functions in operation theatre
- c) Anesthesia: Classification, anesthetic agents and role of a nurse in anesthesia.
- d) Disorders of the Respiratory System : Etiology, Clinical manifestation, diagnosis, treatment and medical, surgical, dietetics and Nursing Management with : Asthma, Pneumonia, Lung abscess, Pleurisy, Emphysema, Bronchiectasis, Pulmonary Tumours, Pleural Effusions, Pulmonary Tuberculosis, Acute Respiratory distress syndrome, Preventive and rehabilitative aspects

- e) Cardiovascular System: Diseases of heart; Cardiac arrhythmias; Cardiac arrests; Heart Blocks; Pericarditis, Myocarditis, Endocarditis; Congestive heart failure; Hypertension; Angina Pectoris; Valvular Diseases, Basic life support, Advance cardiac life support.
- f) Vascular Diseases: Arteriosclerosis; Atherosclerosis; Varicose veins and aneurysms.
- g) Blood Disorder: Anaemia; Leukemia; Haemophilia; Hodgkins Diseases Blood Transfusion : Indications; Grouping and matching; R.H factors; Plasma precautions in administration ; Blood bank functioning and hospital transfusion committee. Bio-safety and waste management in relation to blood transfusion
- h) Gastro Intestinal System: Stomatitis, gingivitis and parotitis; Dental caries; Tumours; Gastritis; Peptic ulcer; Enteritis; Colitis; Appendicitis; Haemorrhoids; Hernia; Hepatitis; Cirrhosis of liver; Liver abscess; Cholecystitis; Hepatic coma; Pancreatitis; Carcinoma of liver and Pancreas; Tuberculosis
- i) Musculo-Skeletal System: Disorder and diseases of bones and joints : Sprains, Dislocation, Fractures, Arthritis, Osteomyelitis, Tumours, Tuberculosis, Deformities
- j) Genito Urinary System: Diseases of kidney, ureter, bladder and urethra; Congenital abnormalities; Acute and chronic nephritis; Nephrosis; Uraemia; Tumours; Tuberculosis; Obstruction; Pyelitis and Pyelonephritis; Cystitis; Disorder of Micturition; Urethritis; Cancer Penis; Inflammation of testes, Epididymis and Prostate glands; Prostatic hypertrophy; Malignancy. Dialysis, renal transplant, trauma of ureter, bladder, urethra.
- k) Nervous System: Diseases of Brain: Headache, Migraine; Epilepsy; Tumours; Chorea; Parkinsonism; Meningitis; Encephalitis; head and spinal cord Injuries; Cerebro-vascular accidents, haemorrhage, Embolism and thrombosis Diseases of Spinal Cord : Myelitis; Injuries; Tumours; Spinal cord compressions Diseases of Nerves : Neuritis and neuralgia; Myasthenia-gravis; Sciatica; Heat Stroke, heat Exhaustion; Cranial, Spinal Neuropathies
- l) Endocrine System, Metabolic disorders, deficiency diseases: Hyper and hypo Secretions of: Thyroid, Parathyroid, Pituitary, Adrenal gland; Cysts/Tumours; Metabolic Disorders: Diabetes Mellitus; Obesity; Gout; Deficiency Diseases: Common deficiency diseases; Prevalence in India; Early symptoms, prevention and treatment.
- m) Operation Theatre: General set up of operation theatre and team; Theatre technique: - hand washing, gowning and gloving; Preparation of theatre equipment and instruments in common use; Role of a nurse in care of patient in the theatre; Principle of recovery room's care.
- n) Intensive Care Nursing: Concept; Principles of Intensive Care Nursing; Role of a nurse in I.C.U; Common gadgets use in I.C.U/C.C.U-Cardiac Monitors, Birds, respirator, defibrillators, etc
- o) Diseases and Disorders of eye: Blindness-causes and prevention; Eye banking, Community services; Conjunctivitis; Glaucoma; Cataract; Retinal detachments; Eye prostheses and rehabilitation; Injury and hemorrhage
- p) Diseases of the ear: Wax; Foreign bodies; Furunculosis; Fungal infections; Otitis Media; Injuries and deafness; Mastoiditis; Menieres syndrome Disease of nose and throat : Rhinitis; Defected Septum; Sinusitis; Allergy; Adenoids; Laryngitis; Tonsillitis; Pharyngitis; Injury
- q) Communicable Diseases: Virus: Measles, influenza. Chickenpox, Smallpox, Mumps, infective hepatitis, poliomyelitis Bacteria : Diphtheria, Whooping cough, tetanus, leprosy, typhoid, dysentery, gastro-enteritis and cholera Zoonoses : Kala-azar, plague, relapsing fever and rabies; Mosquito : Malaria, filaria, dengue fever Sexually transmitted diseases : Gonorrhoea, Syphilis, Chancroid
- r) Nursing management of patient with Immunological problems: Review of Immune system; Immunodeficiency disorders -HIV and AIDS.



- s) Nursing Management Of Patients With oncological conditions: Structure & characteristics of normal & cancer cells; Prevention, screening, early detection, Common malignancies of various body systems warning signs of cancer; Modalities of treatment; Hospice care Stomal therapy.
- t) Nursing management of patient in disaster situations: Causes and types of disaster; Policies related to emergency / disaster management at international, national, state, institutional level.; Disaster Management.
- u) Nursing management of patient in emergency Emergency Nursing : Concept, priorities, principles & scope of emergency nursing Organization of emergency services: physical set up, staffing, equipment & supplies, protocols, Concepts of triage & role of triage nurse.

### **MIDWIFERY AND GYNAECOLOGICAL NURSING**

- a) Introduction : Definition: Midwifery, obstetrical Nursing; Development of maternity services in India; Morbidity and mortality rates and their significance; Internal and External organs of reproduction; Female pelvis : Structure, diameters and type; Fertilisation and implantation of the ovum; Foetal development and foetal circulation.
- b) Normal Pregnancy: Physiological changes due to pregnancy; Signs, symptoms and diagnosis; Influence of hormones
- c) Pre-natal care: Objectives; History taking; Calculation of Expected date of delivery; Routine Examinations
- d) Care and advice regarding: diet in pregnancy; anti-natal Exercises
- e) Minor disorders of pregnancy and alleviations of discomfort f) Diseases associated with pregnancy: Cardio vascular; Urinary; Respiratory; Metabolic; Nutritional deficiencies; Sexually transmitted diseases
- g) Normal Delivery (Preparation): For mother and baby; Preparation of the patient and delivery room-hospital and home; Psychological preparation of mother and family.
- h) Normal labour : Definition, stage and duration; Causes of onset of labour; True and False labour
- i) First stage of labour : Signs of onset of labour; Physiological changes in first stage of labour; Management preparation of labour; Preparation of women in labour - Physical and Psychological; Equipments for normal delivery; Monitoring of maternal and foetal condition; Vagina l Examination
- j) Second Stage of labour : Signs of second stage; Mechanisms of labour; Monitoring of maternal and foetal conditions; Procedure for conduct of normal delivery; Prevention of Perineal tear; Episiotomy, suturing and care
- k) Third Stage of labor : Signs, Physiological changes; Immediate care of baby; Technique of placenta expulsion and examination of placenta; Monitoring of maternal and newborn baby Nursing Management of Baby and birth : Assessment; Apgar scoring, examination for defects (head to foot examination); Care of cord, eyes and skin; Maintenance of body temperature; Prevention of infection and injury.
- l) Nursing Management of mother during puerperium : Definition, objectives of care; Immediate postnatal care; Physiological changes during puerperium; Care of Episiotomy; Establishment of breast feeding; Postnatal Exercises; Postnatal Examination, follow up family welfare; Minor ailments and management
- m) Complications of pregnancy and its management : Bleeding in early pregnancy; Bleeding in late pregnancy; Pregnancy induced hypertension, Pre-Eclampsia, Eclampsia; Hydramnios, Oligohydramnios; Hydatidiform mole; Pelvic inflammatory disease; Intra uterine growth retardation, intra uterine death; Post maturity
- n) High risk pregnancy and its management : Anaemia, Jaundice, Viral infection; Urinary tract infections; Heart diseases, diabetes mellitus; Osteomalacia; Sexually Transmitted diseases; AIDS; Teenage Pregnancy; Elderly pregnancy; Multi Para & Multiple pregnancy; Un-Educated mother

- o) Labour Complications: Malpresentations and malpositions; Occipito posterior position; Breach and shoulder; Face and Brow; Cord presentation and prolapse; Obstructed labour; Ruptured uterus; Post partum haemorrhage, atonic uterus, retained placenta and membranes
- p) Complications of puerperium and its management: Puerperal pyrexia, puerperal sepsis, Thrombophlebitis, Embolism, puerperal Psychosis
- q) Obstetrics operations: Manual removal of placenta; Version: Internal, External; Vacuum extraction; Caesarean section; Medical termination of pregnancy; Laparoscopic sterilization; Embryotomy
- r) Drugs used in Obstetrics
- s) Ethical and legal aspects related to midwifery and gynaecological Nursing.
- t) Fertility and Infertility : Definition, causes both in male and female investigation and management
- u) Diseases and disorders of female reproductive system including breasts : Infections; cyst, tumors and fibroids; Abortion; Ectopic pregnancy; Vaginal fistula; Erosion of cervix; Sexually transmission disease; Abnormalities of menstruation; Menopause; Mastitis; Breast abscess; Tumours; Malignancy

### **CHILD HEALTH NURSING**

- a) Concept in Child health care and role of Paediatric nurse in child care.
- b) The healthy child : Growth and developments and factors affecting growth and development; Assessment of growth and development; Nurses responsibility to meet the nutritional needs; Childhood Accidents; Play – importance & therapeutic use; Review of immunization schedule;, child guidance clinics
- c) Care of Newborn: Appraisal of Newborn; Nursing care of a normal new born / essential new born care; Neonatal resuscitation; Kangaroo mother care, Nursing management of common neonatal disorder: low birth weight baby; Hyperbilirubinemia; Hypothermia hyperthermia; Metabolic disorder; Neonatal infections; Neonatal seizures; Respiratory distress syndrome; Organization of neonatal care unit.
- d) Recognition and Management of Congenital anomalies : Causes, Prevention management; Preparation of the parents; Parents counselling
- e) Breast Feeding : Importance and principles; Preparation of mother; Difficulties in breast feeding; Factors inhabiting and promoting lactation
- f) Introduction of Solids: Weaning; Developing healthy foods habits; Diet of healthy Child; Artificial feeding; Reason and maintenance of hygiene; Feeding technique; Common Problems;
- g) Pre and post-Operative care, Preparation of parents for surgery of the child
- h) Diseases of Children : Etiology, Signs and symptoms, medical and surgical management, nursing care, Complication, diet and drug therapy, prevention and treatment with diseases
  - i. Gastro- intestinal System : Thrush; Gastro enteritis, acute and chronic diarrhoea; Vomiting; cleft lip and cleft palate; Oesophageal atresia; TEF; Pyloric stenosis; Hernia; Intussusception, megacolon; Appendicitis, imperforated anus; Jaundice; Worm infestation
  - ii. Respiratory System: Foreign bodies; common cold and rhinitis; tonsils and adenoids; croup, influenza; bronchitis, pneumonia, asthma, emphysema, Diaphragmatic hernia
  - iii. Genito-urinary System : Nephritis, nephrotic syndrome, nephrosis; Undescended testes; Wilm’s tumor; Prevention of infection; Congenital disorders, Renal failure
  - iv. Cardio Vascular system : Congenital defects; Rheumatic fever and Rheumatic heart diseases, Congestive heart failure

- v. Nervous System : Convulsions, epilepsy; Meningitis, Encephalitis; Epilepsy; Cerebral palsy; Mental retardation; Hydrocephalus; Spina bifida, meningocele; Mongolism
- vi. Eye and Ear : Conjunctivitis; Squint; Congenital cataract; Visual defects; Otorrhea; Otitis Media, Blindness, Deafness
- vii. Nutritional Disorder : Marasmus; Kwashiorkor; Anaemia; Vitamin Deficiencies
- viii. Communicable Diseases : Measles, Small pox and chicken pox; polio myelitis; mumps; Tetanus; Diphtheria and whooping cough; infective hepatitis, Scabies, Eczema, Pediculosis, ringworm, fungus, furunculosis
- ix. Hemotological disorder: Anemias, leukemia, thalassaemia, haemophilia
- x. Endocrine disorder: Diabetis insipidus; dwarfism; Orthopaedic disorder: Club feet; Fractures
- xi. Child health Emergencies: Burns; Drowning; Foreign Bodies; Poisoning
- xii. Psychological disorder and problems: Enuresis, pica, Speech defects, headache, Thumb Sucking, delinquency
- xiii. The Handicapped Child : Importance of early diagnosis; Care of physically and mentally handicapped child; Deprived child; Community facilities; Adaption laws; Foster and orphanages

### **MENTAL HEALTH NURSING**

- a). Introduction: Meaning of mental illness; Terms used in psychiatry; Etiology of mental illness and contributing factors; Legal aspects in the care of the mentally sick
- b). Community Responsibility: Attitudes towards mentally ill; Misconceptions towards mentally ill; Health and social service for the mental illness
- c). Diagnosis: Early recognition of deviations from the normal; Classification of mental disorders; Signs and symptoms of common mental illness
- d). Management: Physical therapy; drug therapy, shock therapy; Psychotherapy; hypnosis, psychoanalysis; behavior therapy, reactional and social therapy, occupational therapy
- e). Role of the Nurse: Over active patient; Destructive patient; Suicidal patient; Depression; Withdrawal and Mania; Prevention of accidents amongst mentally ill; Observation reporting and recording; Procedure for admission into and discharge from mental hospitals

### **COMMUNITY HEALTH NURSING**

- a) Concept, Definition of Community Health, differences between institutional and community health nursing, qualities and functions of a community health nurse
- b) Aspects of Community Health Nursing : Family Health services, maternal and child care and family planning services; School Health Services; Industrial Nursing; Geriatric Nursing; Tuberculosis Nursing; Nurses Role in National Health Programmes
- c) Demography and Family Welfare: Demography Family Welfare : Its meaning, aims, objectives and importance; Policy; Family Planning methods; National Programme; Nurse's role in family Welfare programme
- d) Health Team: Composition at community : Health Centre (CHC), Primary Health Centre (PHC), Sub-Centre (SC)

- e) Roles of Nursing Personnel at Various levels : Male & Female Health Worker; Health Supervisor; Public Health Nurse; Public Health Nurse Supervisor
- f) Vital Health Statistics : Concept; Uses; Sources; Important rates and indices; Vital Health records and their utility; Principles of reporting and recording;
- g) Health Education and Communication skills: Concept, definition, aims & objectives of health education and scope; Methods of health education and Principles of Health education; Communication; Meaning and methods of Communication, verbal and non-verbal Communication; Art of listening; Barriers of communication Audio visual aids : Definition; Advantages and disadvantages; Preparation and uses of simple aids

### **ANATOMY & PHYSIOLOGY**

- a) Skeletal system Bones: Types, Structure, Functions; Joints: Classification, Structure and Functions
- b) Muscular System: Types, Structure, Functions; Position and action of Chief Muscles of the body
- c) Cardio-Vascular System Blood : Composition, Blood Group, Cross Matching Heart : Position, Structure, Conduction System, Functions and Cardiac Cycle; Circulation of Blood; Blood Pressure and Pulse; Lymphatic System
- d) Respiratory System: Structure and Functions of Respiratory Organs; Physiology of Respiration; Characteristics of normal Respiration and its deviations
- e) Digestive System: Structure and Functions of Organs; Digestion, absorption and metabolism.
- f) Excretory System: Structure and functions of Organs; Structure and functions of the Skin; Regulation of body Temperature
- g) Nervous System: Type, structure and functions of neuron; Central Nervous System: Structure and Functions.
- h) Endocrine System: Structure and functions of – pituitary, pancreas, thyroid, Parathyroid, Thymus and supra renal glands
- i) Sense Organs: Structure and functions of eye, ear, nose and tongue; Physiology of Vision, hearing and equilibrium.
- j) Reproductive System: Structure and functions of reproductive and accessory organs; Reproduction, Menstrual Cycle and Menopause; Reproductive Health; Structure and functions of male reproductive system.

### **MICROBIOLOGY**

- a) Scope and usefulness of knowledge of microbiology in Nursing
- b) Classification of Micro-organisms and factors influencing growth
- c) Sources of Infection
- d) Portals of Entry and Exit of microbes
- e) Transmission of infection
- f) Collection of Specimens & Principles to be kept in mind while collecting specimen
- g) Immunity: Meaning; Types of Immunity; Immunization Schedule (Currently Used)
- h) Control and destruction of micro-organisms: Different types of Sterilization; Disinfection; Bio-safety and waste management

## **NURSING RESEARCH & STATISTICS**

- a). Research and research process.
- b). Research problem/ question
- c). Review of literature
- d). Research approaches and designs
- e). Population, Sample and Sampling
- f). Data collection methods and tools:
- g). Analysis of data.
- h). Introduction to statistics Definition, use of statistics, scales of measurement. Frequency of distribution and graphical Presentation of data, Measures of central tendency: Mean, median, mode, Measures of Variability : Standard deviation Co-efficient of correlation Normal probability, Tests of significance : 't' test , chi square, Statistical packages and its application - SPSS

## **NURSING MANAGEMENT:**

- a) Introduction to management & Administration in nursing: Definition, nature & Philosophy of Management and Administration
- b) Management Process: Planning, Organization, Human resource management, Directing, Controlling, Budgeting, Material management.
- c) Management of nursing services in the Hospital and Community.
- d) Regulatory bodies; Indian Nursing Council (INC), State Nursing Council Acts; - constitution, functions. Current trends and issues in Nursing.
- e) Professional ethics Code of ethics; Indian Nursing Council, International Council for Nurses (ICN). Code of professional conduct; INC, ICN
- f) Legal aspects in Nursing: Legal terms related to practice; registration and licensing Laws related to nursing practice; Breach and penalties Malpractice and negligence
- g) Patient Rights.
- h) Professional Advancement: Continuing education, Career opportunities, Membership with professional organizations; National and International, Participation in research activities, Publications; Journals newspapers etc.

## **COMMUNICATION & EDUCATIONAL TECHNOLOGY**

- a) Communication Process
- b) Interpersonal relations: Definition, types, Phases of interpersonal relationship
- c) Human relation in context of nursing
- d) Guidance & counselling: Definition and purpose. Guidance & counselling, Basic principles of guidance & counseling Types/ areas of guidance approaches
- e) Methods of teaching.

- f) Information, Education & communication for health: Health behaviors, Health education, Planning for health education ,Health education with individual, group & communities, Communicating health messages, Methods and media for communicating health message ,Use of mass media.

### **COMPUTERS & NURSING INFROMATICS**

- a) Introduction: Concepts of Computer, Characteristics and generation of Computers, Basic Organization of Computer.
- b) Introduction to disk operating system.
- c) Uses of computers and applications
- d) Nursing Informatics: General purposes, Patient Record System, E- Nursing, Telemedicine , Telenursing., Electronic medical records, Management information and evaluation system(MIES)