



భారతీయ సాంకేతిక విజ్ఞాన సంస్థ హైదరాబాద్  
भारतीय प्रौद्योगिकी संस्थान हैदराबाद  
Indian Institute of Technology Hyderabad

**Advertisement No. IITH/2023/NF/15 dated 22.10.2023.**

Post Number	Post Name
<b>07</b>	<b>Staff Nurse</b>

Selection Process consists of Skill Test and a Written Test.

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**Syllabus for written and / or Skill Test**

**1. Anatomy/Physiology**

- Introduction to Anatomical terms, organization of the human body
- Skeletal system
- Muscular system
- Nervous system
- Sensory system
- Circulatory/Lymphatic system/Immunological
- Respiratory system
- Digestive system
- Excretory system
- Endocrine system
- Reproductive system

**2. Nutrition**

- Carbohydrates
- Fats
- Proteins
- Energy
- Vitamins/Minerals
- Water /Electrolyte
- Cookery rules/Preservation/adulteration/Food standards
- National nutrition programmes

**3. Biochemistry**

- Structure and Functions of cell membrane
- Composition/Metabolism of Carbohydrates/Proteins/Lipids/Vitamins
- Immunochemistry

**4. Nursing Foundation**

- Nursing as a profession
- Hospital admission and discharge
- Communication/Nurse-patient relationship

- d. Documentation/Reporting
- e. Vital signs
- f. Health assessment
- g. Health equipment/linen maintenance/Inventory
- h. Meeting needs of patients like basic/psychological/perioperative/physiological
- i. Infection control
- j. Administration of medications/oxygen
- k. Care of terminally ill patient
- l. CPR

## **5. Mental health nursing**

- a. Assessment of mental health status
- b. Treatment modalities and therapies used in mental disorders
- c. Nursing management of schizophrenia and other psychotic disorders
- d. Nursing management of mood disorders
- e. Nursing management of Neurotic stress-related/substance abuse
- f. Psychiatric emergencies

## **6. Microbiology**

- a. General characteristics of microbes/Pathogenic organisms
- b. Infection control
- c. Biomedical waste management
- d. Immunity

## **6. Communication/Technology/Computer/Hospital management system/ERP**

## **7. Pharmacology**

- a. Chemotherapy
- b. Commonly used antiseptic/Disinfectant/insecticide
- c. Drugs acting on GI /Respiratory/Urinary/Nervous/Cardiovascular Skin systems
- d. Hormones/Supplement
- e. Contraceptive/MTP

## **8. Pathology**

- a. Assessment of blood/urine/bone marrow/body fluids/faeces

## **9. Surgical Nursing**

- a. Surgical asepsis/Perioperative nursing/Drug administration team
- b. Fluid Electrolyte imbalance
- c. Nursing management of patients with disorder of Respiratory/Digestive/ CVS/Genito urinary/Reproductive /Endocrine/Musculoskeletal/Immunological/Communicable diseases

## **10. Child health nursing**

- a. Healthy child (growth and development, nutritional needs of children and infants i.e breast feeding, complementary feeding, immunization and cold chain, well baby clinic).
- b. Neonatal care ( Essential newborn care, Neonatal resuscitation, Kangaroo mother care, Identification & nursing management of common neonatal problems).
- c. Integrated care and management of Neonatal and childhood disease.
- d. Management of behavioral and Social problems in children.

## **11. Midwifery and obstetrical nursing**

- a. Female reproductive system/Fetal development
- b. Antenatal assessment
- c. Intranatal assessment
- d. Post-natal assessment
- e. Assessment of normal newborn/High-risk newborn
- f. High-risk pregnancy assessment and management
- g. Abnormal labour
- h. Family welfare programmes

## **12. Nursing research and statistics**

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