



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

**Indicative Syllabus And Scheme Of Examination For The Position Of Staff Nurse
(Contractual)**

Ref No: Advertisement No. IITH/CS/56, Date: 27-08-2026

1. Written Examination

- a) Format: Multiple Choice Questions (MCQs)
- b) Total Marks: 100 marks (2 marks per question), Negative Marking: 1 mark per wrong answer
- c) Technical 70 Marks, General Aptitude and English 30 Marks.
- d) Duration: 60 minutes
- e) Pass Mark: 40% (40 marks out of 100)
- f) Requirement: Candidates must score at least 40% in the written examination to qualify for the **Skill Test cum Interaction**.

2. Skill Test cum Interaction

- a) Components:
 - i) Skill Test: 10 stations, each worth 5 marks (Total: 50 marks).
 - ii) Personal Interaction (practical clinical knowledge and experience, emergency patient-handling skills, practical approach, communication skills and ability to work confidently in emergency situations, etc.): Worth 50 marks.
 - iii) Total: 100 marks.
 - iv) Requirement for qualifying: 35+35 marks.
- b) Nature: This stage is purely qualifying. The scores from this test will not contribute to the final selection.

3. Final Selection

- a) The final selection is based entirely on the performance in the Written Examination, provided the candidate has qualified in the Skill Test cum Interaction.

Syllabus for the written examination

1. Anatomy/Physiology

- i) Introduction to Anatomical terms, organization of the human body

- ii) Skeletal system
- iii) Muscular system
- iv) Nervous system
- v) Sensory system
- vi) Circulatory/Lymphatic system/Immunological
- vii) Respiratory system
- viii) Digestive system
- ix) Excretory system
- x) Endocrine system
- xi) Reproductive system

2. Nutrition

- i) Carbohydrates
- ii) Fats
- iii) Proteins
- iv) Energy
- v) Vitamins/Minerals (f) Water /Electrolyte
- vi) Cookery rules/Preservation/adulteration/Food standards
- vii) National nutrition programmes

3. Biochemistry

- i) Structure and Functions of cell membrane
- ii) Composition/Metabolism of Carbohydrates/Proteins/Lipids/Vitamins (c)
Immunochemistry

4. Nursing Foundation

- i) Nursing as a profession
- ii) Hospital admission and discharge
- iii) Communication/Nurse-patient relationship
- iv) Documentation/Reporting
- v) Vital signs
- vi) Health assessment
- vii) Health equipment/linen maintenance/Inventory
- viii) Meeting needs of patients like basic/psychological/perioperative/physiological
- ix) Infection control
- x) Administration of medications/oxygen
- xi) Care of terminally ill patient
- xii) CPR

5. Mental health nursing

- i) Assessment of mental health status
- ii) Treatment modalities and therapies used in mental disorders
- iii) Nursing management of schizophrenia and other psychotic disorders
- iv) Nursing management of mood disorders
- v) Nursing management of Neurotic stress-related/substance abuse
- vi) Psychiatric emergencies

6. Microbiology

- i) General characteristics of microbes/Pathogenic organisms
- ii) Infection control
- iii) Biomedical waste management
- iv) Immunity

7. Communication/Technology/Computer/Hospital management system/ERP 7. Pharmacology

- i) Chemotherapy
- ii) Commonly used antiseptic/Disinfectant/insecticide
- iii) Drugs acting on GI /Respiratory/Urinary/Nervous/Cardiovascular Skin systems
- iv) Hormones/Supplement
- v) Contraceptive/MTP

8. Pathology

- i) Assessment of blood/urine/bone marrow/body fluids/faeces

9. Surgical Nursing

- i) Surgical asepsis/Perioperative nursing/Drug administration team
- ii) Fluid Electrolyte imbalance
- iii) Nursing management of patients with disorder of Respiratory/Digestive/CVS/Genito urinary/Reproductive /Endocrine/Musculoskeletal/Immunological/Communicable diseases

10. Child health nursing

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

11. Midwifery and obstetrical nursing

- i) Female reproductive system/Fetal development
- ii) Antenatal assessment
- iii) Intranatal assessment
- iv) Post-natal assessment
- v) Assessment of normal newborn/High-risk newborn
- vi) High-risk pregnancy assessment and management
- vii) Abnormal labour
- viii) Family welfare programmes

12. Nursing research and statistics

13. General Aptitude and English
