



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

INDICATIVE SYLLABUS AND SCHEME OF EXAM

POST NO. 16.8-JUNIOR TECHNICAL SUPERINTENDENT – COMPUTER SCIENCE AND ENGINEERING

Ref: Notification No. IITH/2024/NF/16 dated 19.10.2024.

1. Selection Process: Candidates securing minimum qualifying marks as laid down by the selection committee in PART-A and PART-B shall be shortlisted for PART-C (Skill/Trade Test). The final selection will be based on aggregate marks obtained from PART-A, PART-B, and PART-C with weightage of 10%, 40%, 50%, respectively.

2. Syllabus:

PART-A: General Ability Test

Syllabus: English grammar and vocabulary, Reasoning, Quantitative Aptitude, and General Awareness.

PART-B: Technical Knowledge Test

Syllabus:

Operating Systems with emphasis of Unix/Linux; Scripting languages: Perl, AWK, Shell; Networking concepts: Internet, Wi-Fi, socket programming; Databases: RDBMS, SQL, NoSQL; Computer Organization and Architecture; C programming; Basic Data Structures and Algorithms; Topics in Network and Systems Administration and Cybersecurity; Open source Cloud/HPC/Storage Technologies: Openstack, Docker, Kubernetes, SLURM, KVM, Prometheus, Grafana, Ansible, ownCloud/Nextcloud, Ceph, NFS.

PART-C: Skill/Trade Test

Test pattern: Written and lab experiments in a Linux environment.

Syllabus: same as mentioned in PART-B.
