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

Post Number :2.3
Post Name: Technical Superintendent – Computer Science and Engineering

Selection Procedure for Technical Superintendent (CSE) Post

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). Selected candidates based on aggregate marks obtained from PART-A, PART-B and PART-C with weightage of 10%, 40%, 50%, respectively will be interviewed.

PART-A: General Ability Test

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

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PART-B: Technical Knowledge Test

Syllabus:

Operating Systems with emphasis of Unix/Linux; Scripting languages: Perl, AWK, Shell; Web Development: PHP, CSS, Javascript, React, node.js, HTML, HTTPS; Networking concepts: Internet, Wi-Fi, socket programming; Databases: RDBMS, SQL, NoSQL; Computer Organization and Architecture; C programing; 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, etc

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PART-C: Skill/Trade Test

Test pattern: Written and lab experiments in a Linux environment.
Syllabus: same as mentioned in PART-B.