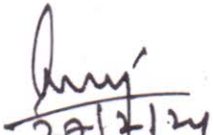


# Syllabus for Written Test to the post of Technician (Electrical) A to B – MFCP

1. Basics of fundamental of electricity
2. Fundamental terms, definition, units
3. Effects of electrical voltage, current, energy, Basic theories
4. Lead acid batteries and their measurement of voltage and current
5. Network theory and basic laws
6. Electrical instruments & measurements
7. AC fundamentals, series and parallel circuits and polyphase circuits
8. Transformers, Induction motors and different types of starters
9. Illumination- terms and definitions
10. Different types of Electric power generators
11. Power factor improvement
12. Substation elements and maintenance aspects
13. Different types of wiring circuits
14. Materials and tools used in electrical wiring
15. Types of wires and cables standard wire gauge
16. Specifications, standards for conduits and accessories, earthing, layout diagram for conduit wiring
17. Fuses, protection and switch gear basic principles
18. Industrial utilization of electrical motors, Electrical heating, Lighting and controls
19. Working principle of commonly used electrical equipments in Hospital
20. Electric safety and standards
21. Elementary first aid
22. Names of commonly used fire extinguishers and their use

  
22/2/24  
DEPUTY DIRECTOR (ADMN)