

SYLLABUS

MAINTENANCE TECHNICIAN (ELECTRICAL)

Duration: 2 hours

Total Marks: 100

All questions of the Computer Based Test(CBT) are objective type . Total number of questions in the CBT are 100. Each correct answer carries 1 mark and there is no negative marking.

PART-1: General Aptitude

(50 Marks)

Unit-1: Verbal Ability (English Language)

Unit-2: Quantitative Aptitude

Unit-3: Analytical Reasoning

Unit-4: General Knowledge, General Science & Environment

PART- 2: Technical – Maintenance Technician (Electrical)

(50 Marks)

Unit-5.1: Basic Electrical and Circuit Theory

Unit-5.2: Electrical Machines - I (DC machines and transformers)

Unit-5.3: Electronic Devices and Circuits

Unit-5.4: Electrical Machines - II (AC Machines)

Unit-5.5: Measurements And Instruments

Unit-5.6: Digital Electronics

Unit-5.7: Transducers And Signal Conditioners

Unit-5.8: Generation, Transmission And Distribution

Unit-5.9: Microcontroller

Unit-5.10: Special Electrical Machines

Unit-5.11: Control Of Electrical Machines

Unit-5.12: Programmable Logic Controller

Unit-5.13: Power Systems And Utilisation Of Electric Power

Unit-5.14: Electrical Estimation

Unit-5.15: Computer Hardware And Networks

Unit-5.16: Protection And Switch Gear

Unit-5.17: SCADA