

Post – Junior Engineer (Electrical)

PART – A (20 MARKS)

General Knowledge and Current Affairs A standard pattern similar to one used by Staff Selection Commission for Combined higher secondary level examination or banking clerical examination can be conducted. Current Affairs questions can also be included in this

General English: Error recognition, Fill in the blanks with appropriate terms, Vocabulary, Grammar with special reference to Sentence Structure, Synonyms, Antonyms etc.

General Aptitude & Reasoning: Questions on reasoning and problem solving, analysis, judgment, decision making, visual memory, relationship concepts, verbal and figure classification, arithmetical number series, non-verbal series etc.

Mathematics: Class 10th Syllabus of NCERT.

Science, Computer application and Other Subjects: Knowledge level to test supervisory skills will also be included. Class 10th Syllabus of NCERT.

PART – B (80 MARKS)

Basic concepts of electrical engineering, circuit law, magnetic circuit, AC fundamentals, measurements and measuring instruments, electrical machines, generation, transmission, and distribution, estimation and costing, utilization and electrical energy, wiring, cables, protection, illumination, basic electronics, power electronics.

Occupational Safety and Health, Environment Education, IT Literacy.