

## Syllabus for the post of Junior Electrical Engineer (GTO)

### General Knowledge (Xth Level):

- Current Affairs- National & International
- Indian History
- Indian Geography
- Indian Polity
- Science & Technology

### Logical Reasoning (Xth Level):

- Analogies.
- Similarities.
- Problem – Solving.
- Relationship Concepts.
- Space Visualization.
- Arithmetical Number Series.
- Arithmetical Reasoning

### General English & Comprehension (Xth Level)-

- Synonyms
- Antonyms
- One word substitution
- Error detection
- Idioms & Phrases
- Passage Comprehension

### General Hindi (Xth Level) :

- Grammar.
- Vocabulary.
- Comprehension.
- Fill in the Blanks.
- Error Detection.
- Antonyms.
- Synonyms.
- Phrases/ Muhavare.

### Basic knowledge of Computer

- Fundamental of computers
  - CPU
  - Memory
  - Hard Disk
  - Input/ Output Devices
  - knowledge of Number System
- Basic concept of Computer (Hardware & Software)
  - Computer Software
  - Operating System
  - Computer language
- Basic knowledge of MS Office
  - MS word
  - MS excel
  - MS Power point
- Basic knowledge of Internet
  - Web browser
  - E-mail
  - Search Engines
  - Web servers
- Basic knowledge of computer network
  - LAN
  - WAN
  - MODEM
- Basic knowledge of cyber security
  - Virus , Malware etc.
  - Worm
  - Internet security
  - Network security
  - Firewall

### Technical paper as per final year syllabus of Diploma in Electrical –

- a) Electrical Circuits
- b) Electronics I
- c) Computer Aided Eng. Drawing
- d) Electrical Machines I
- e) Communication and Computer Networks
- f) Electrical & Electronics Measurements
- g) Electronics II
- h) Electrical Machine II
- i) Electrical Power Generation
- j) Transmission and Distribution
- k) Power Electronics
- l) Switchgear & Protection
- m) Embedded System (Elective)
- n) Industrial drives & Control
- o) Utilization drives & control
- p) Utilization of electrical energy & management
- q) Basic Management skills and Indian constitution

