

Syllabus for the post of Junior Electrical Engineer (GTO)

General Knowledge (Xth Level):	Technical paper as per syllabus of Diploma in Electronics (Those who are diploma in Electronics) –	Common Topics for All stream (Diploma)
<ul style="list-style-type: none"> • Current Affairs- National & International • Indian History • Indian Geography • Indian Constitution • Science & Technology • Fundamental Knowledge of Computer 	<ul style="list-style-type: none"> a) Communication System b) Computer Application for Engineering c) Construction Management, Accounts & Entrepreneurship Development d) Electrical Engineering I e) Electronic Components and Devices. f) Electronic Devices and Circuits g) Electronic Instruments and Measurement. h) Environmental Education & Disaster Management i) Industrial Electronics & Transducers j) Industrial Management and Entrepreneurship Development k) Microprocessor and Application. l) Modern Communication System m) Network Filters & Transmission Lines n) Television Engineering o) Principles of Digital Electronics p) Microelectronics q) Engineering Mechanics & Materials 	<ol style="list-style-type: none"> 1. Different types of conductors 2. Different types of insulators 3. IR Value tester/ magger 4. Earth Tester 5. Difference between AB Cable/UG Cable 6. Transformer 7. Fuse 8. Battery 9. LED
<p>Logical Reasoning (Xth Level):</p> <ul style="list-style-type: none"> • Analogies. • Similarities. • Problem – Solving. • Relationship Concepts. • Space Visualization. • Arithmetical Number Series. • Arithmetical Reasoning 		
<p>General English & Comprehension (Xth Level) :-</p> <ul style="list-style-type: none"> • Synonyms • Antonyms • One word substitution • Error detection • Idioms & Phrases • Passage Comprehension 		
<p>General Hindi (Xth Level) :</p> <ul style="list-style-type: none"> • Grammar. • Vocabulary. • Comprehension. • Fill in the Blanks. • Error Detection. • Antonyms. • Synonyms. • Phrases/Muhavare. 		
<p>Basic knowledge of Computer (Xth Level)</p>		
<p>Technical paper as per syllabus of Diploma in Electrical (Those who are diploma in Electrical) –</p> <ul style="list-style-type: none"> 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 	<p>Technical paper as per syllabus of Diploma in Mechanical (Those who are diploma in Mechanical) –</p> <ul style="list-style-type: none"> a) Applied Thermal Engineering b) Automobile Engineering c) CNC Machines d) Computer Integrated Manufacturing e) Electrical Technology f) Electronics g) Fluid Mechanics h) Industrial Management i) Machine Design j) Manufacturing Processes k) Metrology and Instrumentation l) Thermal Engineering m) Power Plant Engineering n) Strength of Materials 	
<p>Basic Management skills and Indian constitution</p>		