

## Syllabus for the post of Junior Electrical Engineer

<p><b><u>General Knowledge (Xth Level):</u></b></p> <ul style="list-style-type: none"> <li>• Current Affairs- National &amp; International</li> <li>• Indian History</li> <li>• Indian Geography</li> <li>• Indian Polity</li> <li>• Science &amp; Technology</li> </ul> <p><b><u>Logical Reasoning (Xth Level):</u></b></p> <ul style="list-style-type: none"> <li>• Analogies.</li> <li>• Similarities.</li> <li>• Problem – Solving.</li> <li>• Relationship Concepts.</li> <li>• Space Visualization.</li> <li>• Arithmetical Number Series.</li> <li>• Arithmetical Reasoning</li> </ul> <p><b><u>General English &amp; Comprehension (Xth Level)-</u></b></p> <ul style="list-style-type: none"> <li>• Synonyms</li> <li>• Antonyms</li> <li>• One word substitution</li> <li>• Error detection</li> <li>• Idioms &amp; Phrases</li> <li>• Passage Comprehension</li> </ul> <p><b><u>General Hindi (Xth Level) :</u></b></p> <ul style="list-style-type: none"> <li>• Grammar.</li> <li>• Vocabulary.</li> <li>• Comprehension.</li> <li>• Fill in the Blanks.</li> <li>• Error Detection.</li> <li>• Antonyms.</li> <li>• Synonyms.</li> <li>• Phrases/ Muhavare.</li> </ul>	<p><b><u>Basic knowledge of Computer</u></b></p> <ul style="list-style-type: none"> <li>• Fundamental of computers <ul style="list-style-type: none"> <li>○ CPU</li> <li>○ Memory</li> <li>○ Hard Disk</li> <li>○ Input/ Output Devices</li> <li>○ knowledge of Number System</li> </ul> </li> <li>• Basic concept of Computer (Hardware &amp; Software) <ul style="list-style-type: none"> <li>○ Computer Software</li> <li>○ Operating System</li> <li>○ Computer language</li> </ul> </li> <li>• Basic knowledge of MS Office <ul style="list-style-type: none"> <li>○ MS word</li> <li>○ MS excel</li> <li>○ MS Power point</li> </ul> </li> <li>• Basic knowledge of Internet <ul style="list-style-type: none"> <li>○ Web browser</li> <li>○ E-mail</li> <li>○ Search Engines</li> <li>○ Web servers</li> </ul> </li> <li>• Basic knowledge of computer network <ul style="list-style-type: none"> <li>○ LAN</li> <li>○ WAN</li> <li>○ MODEM</li> </ul> </li> <li>• Basic knowledge of cyber security <ul style="list-style-type: none"> <li>○ Virus , Malware etc.</li> <li>○ Worm</li> <li>○ Internet security</li> <li>○ Network security</li> <li>○ Firewall</li> </ul> </li> </ul>	<p><b><u>Technical paper as per final year syllabus of Diploma in Electrical –</u></b></p> <ol style="list-style-type: none"> <li>a) Electrical Circuits</li> <li>b) Electronics I</li> <li>c) Computer Aided Eng. Drawing</li> <li>d) Electrical Machines I</li> <li>e) Communication and Computer Networks</li> <li>f) Electrical &amp; Electronics Measurements</li> <li>g) Electronics II</li> <li>h) Electrical Machine II</li> <li>i) Electrical Power Generation</li> <li>j) Transmission and Distribution</li> <li>k) Power Electronics</li> <li>l) Switchgear &amp; Protection</li> <li>m) Embedded System (Elective)</li> <li>n) Industrial drives &amp; Control</li> <li>o) Utilization drives &amp; control</li> <li>p) Utilization of electrical energy &amp; management</li> <li>q) Basic Management skills and Indian constitution</li> </ol>
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