

**Annexure – A**  
**Syllabus for the post of JEE**

Sl. No.	Name of Post	Broad Syllabus	Type of Exam
1	2	3	4
1	Junior Electrical Engineer (General)/ JE (Electronics) for BSPGCL	<p style="text-align: right;">Total . 100%</p> <ol style="list-style-type: none"> <li>1. General Knowledge - 10 %</li> <li>2. Logical Reasoning . 10%</li> <li>3. General English &amp; Comprehension . 05%</li> <li>4. General Hindi . 05%</li> <li>5. Basic knowledge of Computer . 10%</li> <li>6. Technical paper as per final year syllabus of Diploma in Electrical / Electrical &amp; Electronics . 60%</li> </ol> <p><u>Details syllabus are given below :-</u> <b>General Knowledge (Xth Level):</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 Constitution</li> <li>• Science &amp; Technology</li> <li>• Fundamental Knowledge of Computer</li> </ul> <p><b>Logical Reasoning (Xth Level):</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>General English &amp; Comprehension (Xth Level) :-</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>General Hindi (Xth Level) :</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>Basic knowledge of Computer (Xth Level)</b></p> <p><b>Technical paper as per final year syllabus of Diploma in Electrical / Electrical &amp; Electronics–</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>	Multiple Choice objective type

Sl. No.	Name of Post	Broad Syllabus	Type of Exam
1	2	3	4
2	Junior Engineer (Mechanical)	<p>1. General Knowledge - 10 %  2. Logical Reasoning . 10%  3. General English &amp; Comprehension. 05%  4. General Hindi . 05%  5. Basic knowledge of Computer . 10%  6. Technical paper as per final year syllabus of Diploma in Mechanical . 60%</p> <p>Total . 100%</p> <p><u>Details syllabus are given below :-</u>  <b>General Knowledge (Xth Level):</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 Constitution</li> <li>• Science &amp; Technology</li> <li>• Fundamental Knowledge of Computer</li> </ul> <p><b>Logical Reasoning (Xth Level):</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>General English &amp; Comprehension(Xth Level) :-</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>General Hindi (Xth Level) :</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>Basic knowledge of Computer (Xth Level)</b></p> <p><b>Technical paper as per final year syllabus of Diploma in Mechanical –</b></p> <ol style="list-style-type: none"> <li>a) Applied Mechanics</li> <li>b) Engineering Materials</li> <li>c) Engineering Drawing</li> <li>d) Technical Documentation</li> <li>e) Manufacturing Process I</li> <li>f) Strength of Materials</li> <li>g) Elementary Civil Engineering</li> <li>h) Machine Drawing</li> <li>i) Basic of thermal engineering</li> <li>j) Electrical Technology</li> <li>k) Fluid Mechanics</li> <li>l) Industrial Management</li> <li>m) Applied Thermal Engineering</li> <li>n) Manufacturing Process II</li> <li>o) Computer Integrated Manufacturing</li> <li>p) Theory of Machines</li> <li>q) CNC Machines</li> <li>r) Power Plan Engineering</li> <li>s) Manufacturing Process II</li> <li>t) Machine Design</li> <li>u) Refrigeration and Air Conditioning (RAC)</li> <li>v) Automobile Engineering</li> <li>w) Metrology and Instrumentation</li> <li>x) CAD/ CAM</li> </ol>	Multiple Choice objective type