

**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>1. General Knowledge - 10 %</p> <p>2. Logical Reasoning – 10%</p> <p>3. General English &amp; Comprehension –05%</p> <p>4. General Hindi – 05%</p> <p>5. Basic knowledge of Computer – 10%</p> <p>6. Technical paper as per final year syllabus of Diploma in Electrical / Electrical &amp; Electronics – 60%</p> <p><u>Details syllabus are given below :-</u></p> <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 Constitution</li> <li>• Science &amp; Technology</li> <li>• Fundamental Knowledge of Computer</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 (Xth Level)</u></b></p> <p><b><u>Technical paper as per final year syllabus of Diploma in Electrical / Electrical &amp; Electronics–</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>	<p>Total – 100%</p> <p>Multiple Choice objective type</p>

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

**Annexure – A**  
**Syllabus for the post of IT Manager**

Sl. No.	Name of Post	Broad Syllabus	Type of Exam
1	2	3	4
1	IT Manager	<p style="text-align: right;"><b>Total Marks – 100%</b></p> <p>General Knowledge - 10 %  Logical Reasoning – 10%  Quantitative Aptitude - 10%  General English &amp; Comprehension – 10%</p> <p><b><u>Paper as per syllabus of Degree in Computer Science/ IT/MCA - - 60%</u></b></p> <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 Constitution</li> <li>• Science &amp; Technology</li> <li>• Fundamental Knowledge of Computer</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>Quantitative Aptitude (Xth Level) :</u></b></p> <ul style="list-style-type: none"> <li>• Percentages.</li> <li>• Time &amp; Work.</li> <li>• Time &amp; Distance.</li> <li>• Profit and Loss.</li> <li>• Simplification.</li> <li>• Averages.</li> <li>• Problems on Ages.</li> </ul> <p><b><u>General English &amp; Comprehension :-</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>Paper as per syllabus of Engineering degree (Computer Science/ IT) -</p> <ul style="list-style-type: none"> <li>r) Basic Concept In Electrical/ Electronics Engineering</li> <li>s) Digital Electronics</li> <li>t) Object Oriented Programming</li> <li>u) Numerical Methods &amp; Computational Techniques</li> <li>v) Analog Electronics</li> <li>w) Data Structures</li> <li>x) Computer Architecture</li> <li>y) Systems Programming</li> <li>z) Microprocessor And Its Applications</li> </ul>	Multiple Choice objective type

Sl. No.	Name of Post	Broad Syllabus	Type of Exam
1	2	3	4
		10. Design & Analysis Of Algorithms 11. Introduction To Java Programming Language 12. Data Base Management System 13. Operating Systems 14. Computer Networks 15. Object Oriented Analysis & Design 16. Principles Of Programming Languages 17. Formal Languages & Automata Theory 18. Web Applications Design Development 19. Distributed Computing 20. Personal Management & Industrial Relation 21. Information Security 22. Fundamentals Of Data Communication 23. Mobiles & Wireless Computing 24. Distributed Data Base 25. Performance Evaluation Of Computer System 26. Optimization Theory 27. Genetic Algorithm 28. Natural Language Processing 29. Neural Networks & Its Application 30. Speech Processing 31. Computer Aided Design & Manufacturing 32. Introduction To Communication System 33. Digital Image Processing 34. Software Engineering 35. Visual Programming 36. Multimedia Technology & Its Application	

**Annexure – A**  
**Syllabus for the post of**  
**Assistant Operator**

Sl. No.	Name of Post	Broad Syllabus	Type of Exam
1	2	3	4
1	Asst. Operator	<p style="text-align: right;">Total – 100%</p> <p>General Knowledge - 10 %  Logical Reasoning – 10%  General Hindi – 10%  Basic knowledge of Computer – 10%  Technical paper as per final year syllabus of ITI in  Electrician Trade – 60%</p> <p><b><u>General Knowledge (Up to Xth Level):</u></b></p> <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 Hindi :</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 (Xth Level)</u></b></p> <p><b><u>Technical paper as per final year syllabus of ITI in Electrician Trade</u></b></p>	Multiple Choice objective type

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