

# Grade III (HSLC WITH TECHNICAL) Syllabus

NAME OF POSTS: FOREMAN, ELECTRICIAN

SL.NO.	SUBJECTS	MAXIMUM MARKS	MAXIMUM QUESTIONS	SYLLABUS
1	General Mathematics	25	25	<ul style="list-style-type: none"><li>• Averages</li><li>• Simple Interest</li><li>• Time and Distance</li><li>• LCM</li><li>• HCF</li><li>• Number System</li><li>• Elementary Algebra</li><li>• Geometry</li><li>• Trigonometry</li><li>• Problems on Numbers</li><li>• Areas</li><li>• Square roots</li><li>• Simple Equations</li><li>• Logical Problems</li><li>• Graphs</li></ul>
2	General English	15	15	<ul style="list-style-type: none"><li>• Error Correction</li><li>• Sentence Arrangement</li><li>• Word Formation</li><li>• Sentence Completion</li><li>• Missing Verbs</li><li>• Fill in the Blanks</li><li>• Para Jumbles</li><li>• Subject-Verb Agreement</li><li>• Spot the Error</li><li>• Idioms &amp; Phrases</li></ul>
3	General Reasoning	20	20	<ul style="list-style-type: none"><li>• Coding-Decoding</li><li>• Assertion and Reasoning</li><li>• Blood Relations</li><li>• Essential Part</li><li>• Number Series</li><li>• Venn Diagrams</li><li>• Missing Characters</li><li>• Directions</li><li>• Test on Alphabets</li><li>• Rules Detection</li><li>• Mirror Images</li><li>• Series</li><li>• Identical figure groupings</li><li>• Direction Sense Test</li><li>• Blood Relations</li><li>• Verification of truth of the Statement</li><li>• Alphabet Test</li><li>• Cubes and Dice</li><li>• Symbols and Notations</li><li>• Classification</li><li>• Picture Analogies</li></ul>

SL.NO.	SUBJECTS	MAXIMUM MARKS	MAXIMUM QUESTIONS	SYLLABUS
4	General Awareness, General Knowledge, and Current Affairs	25	25	<ul style="list-style-type: none"> <li>• New inventions</li> <li>• Assam History</li> <li>• Abbreviations</li> <li>• Science &amp; Technology</li> <li>• Education</li> <li>• General Science and Research</li> <li>• Static General Knowledge</li> <li>• Geography of Assam</li> </ul>
5	Technical (Electronics/Mechanical)	15	15	<ul style="list-style-type: none"> <li>• Ohm's law</li> <li>• Resistance Calculation</li> <li>• Basic Semiconductor Theory</li> <li>• Basic Semiconductor Diode</li> <li>• Basic Transistor</li> <li>• Resistance</li> <li>• AC and DC current</li> <li>• Computer Basics</li> <li>• Second law of thermodynamics</li> <li>• Otto cycle</li> <li>• Gear ratio</li> <li>• Enthalpy</li> <li>• Annealing</li> <li>• Isometric drawing</li> <li>• Role of nitrogen in welding</li> <li>• Soil and Water Conservation</li> <li>• Ecology and Environment</li> </ul>
<b>Total</b>		<b>100</b>	<b>100</b>	