

Syllabus for the Post of Junior Assistant Operator (Heavy Equipment)-Level A1

Essential Qualification: High School or Class X Equivalent Board Examinations with Driving License for Heavy Vehicle. 3 years' Experience of Heavy Vehicles/ Crane operations. (And) Valid Grade-I certificate as per API-RP 2D or OISD RP-205. Tests Apply.

Part (A): General Mental Ability and Aptitude	20% (20 questions carrying 1 mark each)
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General Mental Ability and Aptitude to test the following:

- Interpersonal Skills
- Logical reasoning/Analytical/Comprehension ability
- Basic Numeracy and Data Interpretation Skills
- General Awareness

Part (B): Subject/Domain Related	80 % (80 questions carrying 1 mark each)
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1. Mathematics : Number system, BODMAS, Decimals, Fractions, LCM, HCF, Ratio and Proportion, Percentages, Mensuration, Time and Work; Time and Distance, Simple and Compound Interest, Profit and Loss, Algebra, Geometry and Trigonometry, Elementary Statistics, Square root, Age Calculations, Calendar & Clock, Pipes & Cistern etc.
2. General Intelligence and reasoning : Analogies, Alphabetical and Number Series, Coding and Decoding, Mathematical operations, Relationships, Syllogism, Jumbling, Venn Diagram, Data Interpretation and Sufficiency, Conclusions and Decision making, Similarities and Differences, Analytical Reasoning, Classification, Directions, Statement – Arguments and Assumptions etc.
3. General Science: The syllabus under this shall cover Physics, Chemistry and Life Sciences of 10 standard levels.
4. General Awareness on current affairs in Science & Technology, Sports, Culture, Personalities, Economics, Politics and any other subjects of importance.
5. Driving: Road Signal, Lubrication System of vehicle, Cooling System of Vehicle, knowledge regarding different parts of vehicle and its functioning, spares, component of vehicles, different types of brake system, Maintenance of vehicles,, Maintaining records , storage of POL.

Note: The above syllabus is indicative and the questions in the test may include similar other topics pertaining to the level and content of essential qualification.