

## Syllabus for Written Test for the post of Junior Mechanic, Junior Technical Assistant & Technical Assistant,

- (i) **General Awareness:** Questions will be designed to test the ability of the candidate's General Awareness of the environment around him/her and its application to society. The questions will be designed to test knowledge of Current Events and of such matter of everyday observation as may be expected of an educated person. The test will also include questions relating to history, polity, constitution, sports, Art and culture, geography, economics, everyday science, Scientific research, national/international organizations/institutions etc.
- (ii) **General Intelligence & Reasoning ability:** The syllabus of general intelligence and reasoning ability includes questions of both verbal and non verbal types. Test may include questions on analogies, similarities, differences, space visualization, problem solving analysis, judgment, decision making, visual memory, discrimination, observation, relationship, concepts, arithmetical reasoning, verbal and figure classification, arithmetical number series etc.
- (iii) **Arithmetical and numerical ability:** The test of arithmetical and numerical abilities will cover number system, including questions on simplification, decimals, data interpretation, fractions, LCM, HCF, ratio and proportions, percentage, average, profit and loss, discount, simple and compound interest, mensuration, time and work, time and distance, tables and graphs etc.
- (iv) **English Language and Comprehension:** In addition to the testing of candidate's understanding and comprehension of the English Language, questions on its vocabulary, grammar, sentence structure, synonyms, antonyms and its correct usage etc would also be covered.
- (v) **General Science:** Chemical Reaction and Equations; Acids, Bases and Salts; Metals and Non Metals; Carbon and its Compounds; Periodic Classification of Elements; Life Processes; Control and Coordination; How do Organisms Reproduce; Heredity and Evolution; Light- Reflection and Refraction; Human Eye and Colourful World; Electricity; Magnetic Effects of Electric Current; Source of Energy; Our Environment; Management of Natural Resources. Matter In Our Surroundings; Is Matter Around Us Pure; Atoms And Molecules Structure Of The Atom; The Fundamental Unit Of Life; Tissues; Diversity In Living Organisms; Motion; Force And Laws Of Motion; Gravitation; Work And Energy; Sound; Why Do We Fall Ill; Natural Resources; Improvement In Food Resources

### Written Test:

The written test will contain the objective type multiple choice questions from the above syllabus.

### Skill Test:

The candidates who obtain the qualifying marks in the written test as may be prescribed by the University will only be called for skill test.

### Note(s):

1. There will be separate written test and skill test for each post.
2. The contents of the syllabus for written test are same for the post of Junior Mechanic, Junior Technical Assistant & Technical Assistant. However, the difficulty level of test will be different for each post.

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