RAJASTHAN PUBLIC SERVICE COMMISSION,  
AJMER

SYLLABUS FOR SCREENING TEST FOR THE POST OF GROUP INSTRUCTOR/ SURVEYOR/ ASSISTANT APPRENTICESHIP ADVISOR GROUP II FOR TECHNICAL EDUCATION DEPARTMENT.


- Different types of woods, their uses, seasoning of wood, different types of paintings and varnishing. Brief description and uses of carpenter’s tools and machines. Lettering, construction of plain geometrical figures (lines, angles, triangles, rhombus, quadrilaterals, polygons, ellipses, parabola, hyperbola, etc.) orthographic projections. Principles, representation and construction of different types of scales, graphic scales. Isometric projection of geometrical solids. Basic principles of building planning and building bye laws. Different types of pollutants in environment, land, soil, water and noise pollution.
• Name, functions, material and specifications of common hand tools, holding tools, holding devices, cutting tools, measuring and marking tools used in carpentry, welding, sheet metal, plumbing and fitting shop. Description of a work bench. Specifications and classification of lathe machines & drilling machines. Common engineering materials like cast iron, mild steel, aluminum, copper, timber, plastic, tin, zinc, lead and alloys. Elementary knowledge of various heat treatment processes. Care and maintenance of batteries, dynamo and self-starters of vehicles. Various systems used in vehicles - Lubrication, cooling, ignition, brakes and governors.


Note:- **Pattern of Question Papers:**

1. Objective Type Paper.
3. Number of Questions : 150.
4. Duration of Paper : 2:30 hours.
5. All Questions carry equal marks.
6. There will be **Negative Marking.**

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