

DOMAIN SKILL TEST FOR THE POST OF ESTATE ASSISTANT (Advt. No. 234/2024)

Candidates should be able to demonstrate proficiency in :

1. To determine the softening point and ductility of Bitumen.
2. To determine the standard consistency of OPC / PPC.
3. To determine the crushing value of coarse aggregates.
4. To determine the compressive strength of paver block.
5. Estimates of plastering in ceilings and walls of a room.
6. To determine impact value of coarse aggregates.
7. Sieve analysis of fine and coarse aggregates to determine zone of sand and size of coarse aggregates.
8. To determine flakiness and elongation index of aggregates.
9. Liquid & Plastic limits of soil sample.
10. CBR of soil sample, Maximum Dry Density and Optimum Moisture Content of soil sample (MDD + OMC Test)
11. Density of soil by sand replacement method
12. Compressive strength of CC cubes and flexural strength of beams.
13. Starting an induction motor using DOL starter.
14. Forward and reverse running of induction motor.
15. Use of voltmeter, ammeter and wattmeter to measure voltage, current and power of a circuit.
16. Identify the parts of a window air-conditioner and state the function of each part.
17. Identify the tools / gauges required to check refrigerant level (gas pressure) in an air-conditioner.

Note : (a) The total marks for the domain skill test = 50.

(b) The Domain skill test is qualifying in nature, and candidate must score a minimum of 40% marks.


29.11.24
Dean (A & F)