

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

- Q.23 Explain the construction and working of a Prismatic compass in detail with sketch.
- Q.24 Differentiate between Collimation Method & Rise and Fall Method.
- Q.25 State the advantages and disadvantages of compass surveying.

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2nd Sem / Architectural Assistantship

Subject : Surveying

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

- Q.1 Curvature of earth is ignored in _____ surveying.
- a) Compass b) Chain
c) Geodetic d) Plane
- Q.2 Plumb bob is required in plane table surveying for _____.
- a) Plotting b) Centering
c) Symmetry d) Linearity
- Q.3 Bearing measured against the direction of survey is termed as _____.
- a) Fore bearing b) Intermediate bearing
c) Back Bearing d) End Bearing

- Q.4 Mean sea level adopted as datum for India is at _____
- a) Gujrat b) Goa
c) Kerala d) Karachi
- Q.5 F.B. & B.B. should differ by _____.
- a) 45° b) 90°
c) 180° d) 360°
- Q.6 Plane table surveying is suitable for _____ scale mapping.
- a) Small b) Medium
c) Large d) None of these

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 Define Surveying.
- Q.8 What is Line of Collimation?
- Q.9 Describe Geodetic Surveying.
- Q.10 Name four methods of Plane Tabling.
- Q.11 What is datum surface?
- Q.12 Define fore-bearing.

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SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 Name the various equipment's required in the field for compass surveying of an area.
- Q.14 Define bench mark. Explain various types of bench mark.
- Q.15 What is true meridian & magnetic meridian?
- Q.16 Describe levelling. Name various methods of levelling.
- Q.17 List the uses of Theodolite.
- Q.18 What are the various types of measurement and their unit of measurement systems?
- Q.19 Describe Local attraction. List the sources of Local attraction.
- Q.20 List the various errors caused in compass surveying in detail.
- Q.21 Write short note on
- I) GIS (Geographical Information System)
ii) Planimeter
- Q.22 Define back sight, fore sight & intermediate sight with the help of a sketch.

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