

SECTION-D

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

- Q.23 Explain the term local attractions, its sources, and how it is detected?
- Q.24 The following staff reading were taken with level which was shifted after 4th, 7th, 10th reading, 1.235, 2.005, 1.875, 0.960, 0.380, 1.640, 2.840, 1.750, 1.930, 2.150, 2.370, 2.460. Assume the R.L. at starting point is 100.000. Calculate the RLs with rise and fall method.
- Q.25 Name various method of plane table surveying. Explain any one in detail.

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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 The object of surveying is to prepare map or plan of _____
- a) Volume b) G.T.S
c) Area d) M.K.S
- Q.2 The sum of the interior angles of a closed transverse is _____
- a) $(2n-1) \times 90^\circ$ b) $(2n-3) \times 90^\circ$
c) $(2n-2) \times 90^\circ$ d) $(2n-4) \times 90^\circ$
- Q.3 The least count of telescopic levelling staff is _____
- a) 1mm b) 3mm
c) 5mm d) 7mm

Q.4 The datum adopted for India is mean sea level at _____

- a) Delhi
- b) Chandigarh
- c) Bengaluru
- d) Karachi

Q.5 The plane table survey is suitable for _____ scale mapping.

- a) Small
- b) Medium
- c) Large
- d) Zero

Q.6 The fiducial edge of alidade should be _____

- a) Curved
- b) Uniform
- c) Straight
- d) Zig Zag

SECTION-B

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

Q.7 Geodetic surveying is done by _____ Department.

Q.8 Define EDM.

Q.9 _____ is done by back sighting method.

Q.10 The length of Sop with telescopic staff is _____

Q.11 The effect of curvature is to _____ the staff reading.

Q.12 Reduced bearing of a line whose W.C.B. is 312° is _____

SECTION-C

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

Q.13 Explain in brief, the principles of Surveying.

Q.14 Write short note on Linear and Angular measurements.

Q.15 Define magnetic meridian and true meridian.

Q.16 What are the uses of prismatic compass?

Q.17 Write short note on Auto Level.

Q.18 Define Back sight, Fore sight and intermediate sight.

Q.19 What is the purpose of plane table survey?

Q.20 What points should be kept in mind while plane Tabling?

Q.21 Explain in brief temporary adjustment of Dumpy Level.

Q.22 Write short note on GPS.