

P P SAVANI UNIVERSITY

Third Semester of B. Arch. Examination

December 2022

SAAR2110 Surveying and Levelling

19.12.2022, Monday

Time: 01:00 p.m. To 03:00 p.m.

Maximum Marks: 40

Instructions:

1. The question paper comprises of two sections.
2. Section I and II must be attempted in separate answer sheets.
3. Make suitable assumptions and draw neat figures wherever required.
4. Use of scientific calculator is allowed.

- Q - 1 Explain Principal of Surveying. [06] 1 1, 2
- Q - 2 Write down the points to be kept in mind while establishing survey station. [06] 1 1, 2
- OR
- Q - 2 Determine Included angle for the following line. [06] 1 1, 2

Line	F.B.	B.B.
AB	65° 00'	245° 00'
BC	125° 30'	305° 30'
CD	200° 00'	20° 00'
DE	265° 15'	85° 15'
EA	330° 00'	150° 00'

- Q - 3 Explain temporary adjustment of theodolite. [08] 3 2, 3
- Q - 4 Explain anyone method of Plane Table Surveying. [08] 2 2, 3
- Q - 5 Describe the method of setting out Curve on the field. [06] 3 3, 6
- OR
- Describe the method of setting Structure plan on the field. [06] 3 3, 6
- Q - 6 Write down a short note on- Digital Theodolite or GPS [06] 2 1, 2

CO : Course Outcome Number

BTL : Blooms Taxonomy Level

Level of Bloom's Revised Taxonomy in Assessment

1: Remember	2: Understand	3: Apply
4: Analyze	5: Evaluate	6: Create