

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

B.ARCH. – SEMESTER– II EXAMINATION – SUMMER 2019

Subject Code: 2X25002

Date: 01/07/2019

Subject Name: T.R.D.-II

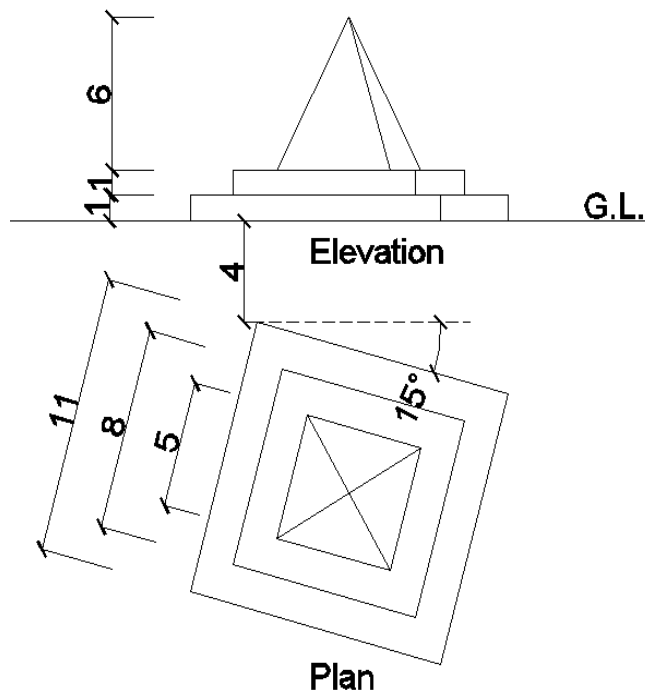
Time: 10:30 AM TO 01:30 PM

Total Marks: 40

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
1. Figures to the right indicate full marks..

- Q.1 Draw sciography of the object. 10
All dimensions are in cms.



OR

- Q.1 Draw Plan, elevation and side elevation of the steps with step guard on one side (left hand side) show shadows of them on ground, on wall and also on steps (the ground is H.P. and plinth wall is V.P.) 10
- The total width of steps, excluding step guard is 250 cm
 - the height of step guard and plinth level is 140 cm
 - Riser is 20 cm and tread is 30 cm
 - Use scale 1:20
- Q.2 Draw one point perspective of a master bedroom of size 4.5X 4 mt in size showing appropriate furniture. 10
- Use 1:50 scale
 - Consider bedroom height: 3.00 mt
 - Station point in front of room and 7 mt away from front wall
 - HL is 1.5 mt from GL

Q.3 Attempt Any two out of three

20

i) A cylinder 6.5 cm diameter and 9 cm long, has its axis parallel to the horizontal plane and inclined at 30° to the vertical plane. It is cut by a vertical plane from its centre of the axis. Draw sectional front view and sectional side view. Draw surface development of the final object.

ii) A cube of 5 cm long edges is resting on the H.P. with a vertical face inclined at 30° to the V.P. It is cut by a section plane, perpendicular to the V.P. inclined at 30° to the H.P. and passing through a point on the axis, 3.5 cm above the H.P. Draw the sectional top view, sectional side view and true shape of section.

iii) A Pentagonal prism, side of base 5 cm and length 10 cm has a rectangular face on the horizontal plane and the axis parallel to vertical plane. It is cut by a vertical sectional plane and makes an angle of 30° with horizontal plane. Draw sectional front view, top view and true shape of section.
