

AU – 2484

First Semester B. Arch. (CGS) Examination

ARCHITECTURAL GRAPHICS-I

Paper – 1 AR 02

(USC – 10002)

P. Pages : 2

Time : Four Hours]

[Max. Marks : 80

- Note :** (1) All question carry equal marks.
(2) Question No. **One** and **Six** are compulsory.
(3) Due credit will be given to neatness and adequate dimensions.
(4) Assume suitable data wherever necessary.
(5) Retain the construction lines.
(6) Illustrate your answer wherever necessary with the help of neat sketches.
(7) Use pen of Blue/Black ink/refill only for writing the answer book.

1. (a) Draw the Architectural Graphics symbolic codes for the following :—
- (i) Brick
 - (ii) Wood
 - (iii) UCR masonry
 - (iv) Metal
 - (v) Sand
 - (vi) Pebbles. 12
- (b) How will you decide about height of letterings? Prepare a drawing of word "ARCHITECTURE" in English / Architectural alphabets in vertical as well as inclined style. 8
2. (a) The area of a field is 50,000 sqm. The length and the breadth of the field on the map is 10 cm and 8 cm respectively. Construct a diagonal scale which can read up to one meter. Mark the length of 235 m on scale. 12
- (b) Construct a plain scale of RF = 1/60 to read meters and decimeters and long enough to measure up to 6 m. Mark on it a distance of 5.5 m. 8

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P.T.O.

OR

3. A square plane PQRS, edge 25 mm size is in space with one of it's corner on V.P. Surface of the plane makes an angle of 50° with V.P. and it is perpendicular to H.P. Draw its projection. 20
4. The length of the top view of a line parallel to the V.P. and inclined at 45° to the H.P. is 5 cm. One end of the line is 1.2 cm above the H.P. and 2.5 cm in front of the V.P. Draw projections of the line and determine it's true length. 20

OR

5. Draw the projections of a hexagonal pyramid, base 30 mm side and axis 60 mm long, having it's base on the H.P. and one of the edges of the base inclined at 45° to the V.P. 20
6. Draw the Plan, Elevation and Section of watchman cabin having following details:—
 - (i) Room size — 3.00 m x 4.00 m
 - (ii) Door size — 1.00 m x 2.10 m
 - (iii) Window size — 1.5 m x 1.2 m
 - (iv) Plinth height — 0.45 m
 - (v) Sill level — 0.90 m
 - (vi) Lintel level — 2.10 m
 - (vii) Slab thickness — 0.10 m
 - (viii) Slab height — 2.85 m. 20

