

(SSPA) SIPNA SCHOOL OF PLANNING AND ARCHITECTURE,  
AMRAVATI

Second Sessional Exam

(2019-20)

Subject: -ARCHITECTURAL GRAPHICS - I

Max. Mark:-40

Year/Semi: - First year - Sem I

Time:-02:00 Hr.

Note:-1. All questions are compulsory

2. Due credit will be given to neatness and adequate dimensions.
3. Assume suitable data wherever necessary.
4. Retain the construction lines.
5. Illustrate your answer wherever necessary with the help of neat sketches.
6. Use pen of Blue/Black ink/refill only for writing the answer book.

- 1) a) Construct a diagonal scale of R.F=1/32 showing yards, feet & inches & measure upto 4 yards. 06  
b) Explain the following (any Two):
  - i. Types of scale
  - ii. Different types of lines used in Architectural drawing.
  - iii. Use of graphics codes and symbols in Architecture. 04
- 2) a) Draw the projections of a pentagonal prism, base 35mm side and axis 75mm long. Resting on one of its rectangular faces on the H.P., with the axis inclined at  $45^{\circ}$  to the V.P. 10  

OR

b) A square Pyramid, side of base 40 mm and height 50 mm is freely suspended from one of the corners of the base. Draw its projections when vertical plane containing axis makes an angle of  $45^{\circ}$  with V.P. 10
- 3) a) A cone, diameter of base 40 mm and height 60 mm is resting on ground on its base. It is cut by a horizontal cutting plane and passing through a point of the axis 30 mm away from the apex. Draw elevation and sectional plan. 20  

OR

b) A hexagonal pyramid, side of base 40 mm and height 70mm is resting on ground on its base with two sides of base parallel to V.P. it is cut by a section plane, perpendicular to the V.P. inclined at  $45^{\circ}$  to the H.P. and intersecting the axis at a point 25 mm above the base. Draw front view, sectional top view, sectional side view and true shape of the section. 20

-----BEST LUCK-----