

Q.32 Draw the Plan and elevation of a hexagonal prism with side 30 mm and height 55 mm.

Q.33 Define Cube and Cone.

Q.34 Make a grid of 8cm X 8cm by using HB pencil.

Q.35 Define Drop line and Base line.

### SECTION-D

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

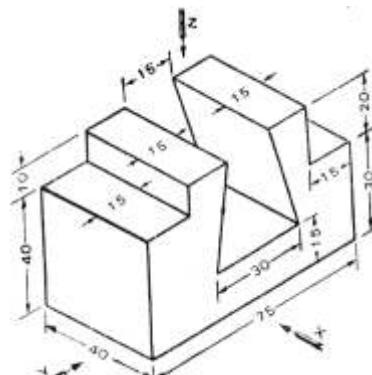
Q.36 Make a geometrical composition of size 25 x35 cm by using different grades of pencils with horizontal, vertical, and diagonal lines to understand the tonal variations.

Q.37 Draw a diagonal scale to show meters, decimeters and centimeters and long enough to measure upto 6 meter is represented by 2.5 centimeter. Find R.F. and indicate on scale, the following distances:

- i) 4.56 meters      ii) 3.35 meters

Q.38 Draw the following views from the given figure:

- i) front view, X      ii) Top view, Z
- iii) Side view, Y



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### 1st Sem / Architectural Assistantship Subject:- Architectural Drawing - I

Time : 3Hrs.

M.M. : 100

### SECTION-A

**Note:** Multiple choice questions. All questions are compulsory (10x1=10)

Q.1 Size of trimmed size A1 drawing paper is \_\_\_\_\_

- a) 594 mm X 841 mm b) 497 mm X 800 mm
- c) 210 mm X 220 mm d) 210 mm X 297 mm

Q.2 The top most guide line used to draw in lettering is known as \_\_\_\_\_.

- a) Cap line      b) Drop line
- c) Base line      d) waist line

Q.3 Point of the observer's eye is called \_\_\_\_\_.

- a) orthographic projection
- b) isometric scale
- c) station point
- d) pictorial projection

Q.4 1 foot = \_\_\_\_\_ cm.

- a) 30.48      b) 30.58
- c) 31.48      d) 31.68

Q.5 Standard Size of B2 drawing board according to ISI is \_\_\_\_\_

- a) 594 mm X 841 mm b) 700 mm X 500 mm

- c) 210 mm X 220 mm d) 210 mm X 297 mm
- Q.6 The shadow or an image is obtained on a piece of paper is \_\_\_\_\_.  
 a) Projection b) Point  
 c) oblique projection d) side view
- Q.7 Full form of MKS is \_\_\_\_\_.  
 a) meter, kilogram, second  
 b) millimeter, kilogram, second  
 c) none of these
- Q.8 10 mm = \_\_\_\_\_ cm  
 a) 2 b) 1  
 c) 10 d) 100
- Q.9 What do you mean by 2D?  
 a) 2-dimesnion b) 2 diameter  
 c) 2-point d) 2 drawing
- Q.10 1m= \_\_\_\_\_ mm.  
 a) 100 b) 10  
 c) 1000 d) 1

### **SECTION-B**

- Note:** Objective type questions. All questions are compulsory. (10x1=10)
- Q.11 Two types of Scales are \_\_\_\_\_ and \_\_\_\_\_.
- Q.12 Three grades of pencil are \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_.
- Q.13 12 inches= \_\_\_\_\_ feet.
- Q.14 Two modern drawing instruments are \_\_\_\_\_ and \_\_\_\_\_.
- Q.15 Full form of RF is \_\_\_\_\_.
- Q.16 A Hexagon has \_\_\_\_\_ sides.

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- Q.17 Circle master is used to draw \_\_\_\_\_.  
 Q.18 Size of A3 paper is \_\_\_\_\_.  
 Q.19 Symbol of First Angle Projection \_\_\_\_\_.  
 Q.20 10 decimeters (dm)= \_\_\_\_\_ m.

### **SECTION-C**

- Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)
- Q.21 Explain Orthographic Projections?
- Q.22 Write the following in single stroke upright capital free hand gothic lettering in height of 10 mm "IMPORTANCE OF TECHNICAL EDUCATION IN INDIA".
- Q.23 Draw the conventional symbols of GLASS, WOOD and EARTH.
- Q.24 What is Increasing Scale and Reducing Scale?
- Q.25 Draw the three views of cube 30 mm side when it is resting on its base on H.P. with one of its base edgesmarking an angle of 45° the V.P.
- Q.26 Draw a front view and top view of a regular cylinder having height 50 mm and diameter 30 mm.
- Q.27 What is Representative Fraction? Write its formula. Explain it by giving an example?
- Q.28 Draw the geometrical composition by using different types of 2D geometrical figures.
- Q.29 A straight-line AB 70 mm long is in both HP and VP. Draw its Projections.
- Q.30 Define Front View and Side View.
- Q.31 Name any six modern instruments used in architectural drawing.

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