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## ENGINEERING DRAWING-I $1^{\text {st }}$ Exam/ 2655/ 0551/5405/Common/ May'18

## Duration: 3Hrs.

## SECTION-A

Q1. Fill in the blanks.
a. The ratio of drawing to the object is called $\qquad$
b. Front view is projected on $\qquad$ ....
c. Length of the scale $=$ $\qquad$ $x$ M aximum length to be shown on a scale.
d. In first angle projection top view is below $\qquad$ .....
e. For the identification of surfaces $\qquad$ projections must be drawn.
f. Section lines are drawn at an angle of $\qquad$ ....
g. An isometric view shows $\qquad$ Surfaces of the objects.
h. A plane which is at right angle to two principal planes is $\qquad$
i. Plain scale represents $\qquad$ Units.
j. Front view lies above H.P. in. $\qquad$ Quadrant.

## SECTION-B

## Q2. Attempt any five questions.

i. What is RF and how it is calculated? What are Plain Scales?
ii. Draw a plain scale to show metres and decimeters when 1 metre is represented by 2.5 centimetres. The scale should be long enough to measure upto 5 metres. Mark a distance of 4 metres and 3 decimeters on the scale.
iii. Write in freehand vertical lettering the following sentence taking size 10 mm .
"I AM PROUD OF MY COUNTRY"
iv. What is the difference between third angle and first angle projection?
v. Give conventional representation of different types of lines.
vi. A point L is placed in first Quadrant. It is 60 mm above H.P. and 20 mm in front of V.P. draw its projections.

## SECTION-C

Q3. Attempt any two questions.

## $2 \times 25=50$

a. Figure 1 shows pictorial view of a block. Draw front, side and top views in full size in first angle projection.
b. Draw the isometric view of a cube 40 mm side and on a square block 25 mm thickness and 70 mm side. The cube and block are placed axially with their edges parallel to each other.
c. Figure $\mathbf{2}$ shows an isometric view of an object. Draw to a full size scale the following views in First angle projection method.
i) Sectional Front view
ii) Sectional side view
iii) Top view


Figure-1


Figure-2

