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S.B. Roll No.....

ENGINEERING DRAWING-I

1st Exam/2655/0551/5405/Common/May'18

Duration: 3Hrs. **M.Marks:100**

SECTION-A

Q1. Fill in the blanks. **10x1.5=15**

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

SECTION-B

Q2. Attempt any five questions. **5x7=35**

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. **2x25=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 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

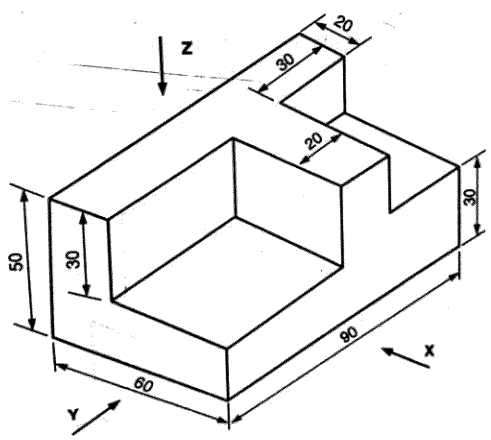

Figure-1

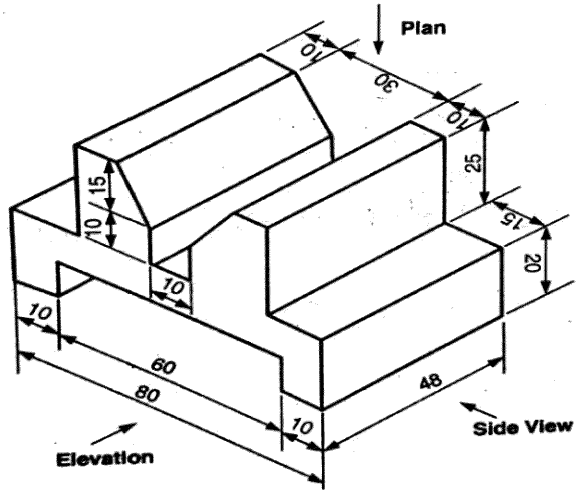

Figure-2

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