

ENGINEERING DRAWING-I

1st Exam/2655/0551/5405/Civil/Electrical/Comp/IT/CSc/Aerospace/Marine/LT_FLT/TT/Food/Nov'17
Duration: 3Hrs. M.Marks:100

SECTION-A

Q1. Draw conventions signs of the following.

6x1.5=9

- Short break line
- Centre line
- Long break line
- Cutting plane line
- Gun Metal
- Copper

Q2. Fill in the blanks.

6x1.5=9

- The Representative Fraction in scales is the ratio ofand.....
- Section lines are generally drawn atdegrees to the horizontal.
- A circle in isometric projection appears as.....
- The isometric length is about of the true length of the line.
- The object is placed above HP and In front of VP it is inquadrant.
- Gothic lettering has all the alphabets and numerals of.....thickness.

SECTION-B

Q3. Attempt any four questions.

4x8=32

- Write free hand in single stroke vertical capital letters using ratio 5:4 and taking height of letters 15 mm, the following statement
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- Differentiate between plain scale and diagonal scale.
- Give a comparison between 1st angle and 3rd angle projection.
- Explain Representative Fraction.
- What are sectional views? Explain the objective of drawing sectional views

SECTION-C

Q4.. Attempt any two questions.

2x25=50

- A right circular cone of base diameter 30 mm and height 60 mm rests centrally on a square block of 60 mm side and 30 mm thick. Draw isometric projection of the solid
- Construct a diagonal scale to show meters, decimeters, and centimeters to measure up to 6 meters when R.F. =1/40. Show on it a distance of
a) 5.22 meters b) 3.54 meters
- Figure 1** shows pictorial view of an object. Draw to a full size scale, the following views in third angle projection (all dimensions in mm)
 - Front View looking in the direction of X.
 - Top View.
 - Left side View.

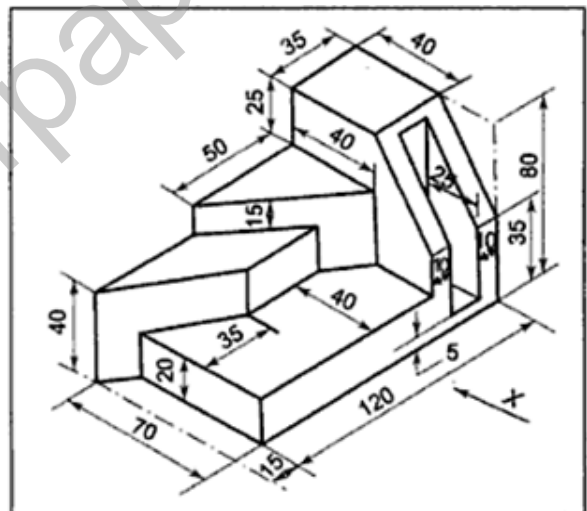


Figure - 1