

S. B. Roll. No.....

ENGINEERING DRAWING-I
1st Exam/Common/7152/Jun'2022
(For 2018 Batch Onwards)

Duration: 4Hrs.

M.Marks:100

SECTION-A

Q1. Do as directed.

10x1.5=15

- a. A circle can be divided into six equal parts with a compass. (T/F)
- b. Section lines are uniformly spaced lines drawn at an angle of 45° . (T/F)
- c. Dimensions can be placed below or above dimension line. (T/F)
- d. In 7: 4 ratio letterings the height is taken as _____ units.
- e. Diagonal scale represented _____ units.
- f. Front view lies above H.P. in _____ Quadrant.
- g. The section lines drawn in an object cut by a section plane is called _____
- h. The isometric view of a circle is an _____
- i. Length of scale = _____ x Max. length to be shown on a scale.
- j. The identification of surfaces of an object can be had from pictorial view to _____ view.

SECTION-B

Q3. Attempt any three questions.

3x15=45

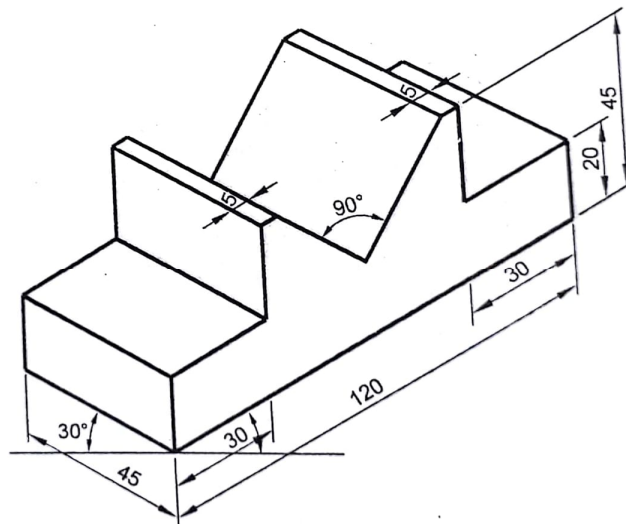
- i. A hall of 1000 m^3 volume is represented by a block of 64 cm^3 . Draw a plain scale to measure upto 30 m and show on it a distance of 19 m.
- ii. Draw the conventional representation of the following i) Wood ii) Earth iii) Glass
- iii. A point p is 20 mm above the H.P. and 25 mm in front of the V.P. draw its projections.
- iv. Draw the Aligned system and Uni-directional system of dimensions.
- v. Draw any four conventions of lines.

SECTION-C

Q3. Attempt any two questions.

2x20=40

- a. Construct a diagonal scale to read meters, decimeters R.F. = $1/40$, long enough to measure 6 meters. Show on it a distance of 5 m 5dm 6cm. and 3 m 3dm 3cm.
- b. Draw top view, front view and side view of the following object in 1st angle projection.



- c. Draw the isometric view of a cube 40mm side and on a square block 25mm thickness and 70 mm side. The cube and block are placed axially with their edges parallel to each other.