

ASSIGNMENT-I

ENGINEERING GRAPHICS AND DESIGN

Note: Attempt all the question on a single sheet

Total Marks: 20

Q1. Write “ENGINEERING DRAWING” in Double Stroke lettering in a height of 70mm. **(4)**

Q2. Give the description and conventions for following lines (according to I.S. 1972) **(2)**

- a. Hidden line b. Chain line thick at end c. zigzag line d. short break line

Q3 Draw the conventions of following Materials:- **(2)**

- a. Steel b. Lead, Zinc c. Glass d. Water, oil, petrol

Q4 What are the different systems of Dimensioning? Explain with sketch? **(2)**

Q5. Differentiate between chain and parallel dimensioning with neat sketches. **(2)**

Q6 Construct a scale of 1cm = 0.4 m to show meters & decimeters & large enough to measure up to 5m. Show a distance of 4m & 6 decimeters on it. **(4)**

Q7 The distance between two stations A & B is 100km & its equivalent distance on railway map measure 2.5cm. What is RF. Draw a diagonal scale showing kilometers. Mark on the scale a distance of: **(4)**

1. 577 km
2. 455km
3. 333km.