MEC103 :: ENGINEERING GRAPHICS

Time Allowed: 01:30 hrs   *Max.Marks: 50*

1. This paper contains 4 questions divided in two parts.
2. All questions are compulsory.
3. The marks assigned to each question are shown at the end of each question in square brackets.
4. Attempt either (a) OR (b) from each question of Part B.
5. Answer all questions in serial order.
6. Do not write anything on the question paper except your registration number at the designated space.

PART A

Q1 (a) What kind of symbolic lines are used to represent visible outlines?   [2.5 Marks]

   (b) What is the angle at which the sloping letters are written? What is vertical Gothic lettering?   [2.5 Marks]

PART B

Q2 (a) On a map the distance between two points is 14 cm. The actual distance between the points is 20 km. Draw a diagonal scale to read this map in Kilometers and hectometers. The scale should be long enough to read up to 25 km. Also show a distance of 17.6 km on this scale.   [15 Marks]
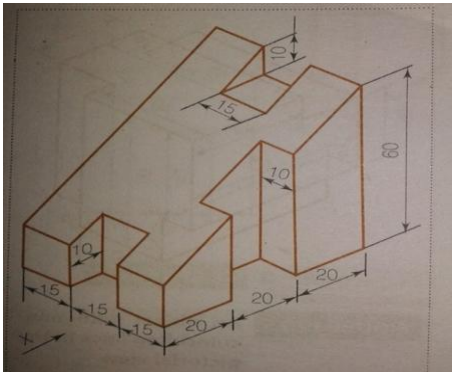
OR

   (b) Write the following sentence using capital letters of 8 mm size in single stoke using 7:5 ratio as "Nature is beautiful".   [15 Marks]

Q3 (a) A line CD is inclined at 45 degree to VP and is contained in HP. The end C is 16mm in front of VP. Draw the projections of the line, if its true length is 50mm.also find the trace of a line.   [15 Marks]
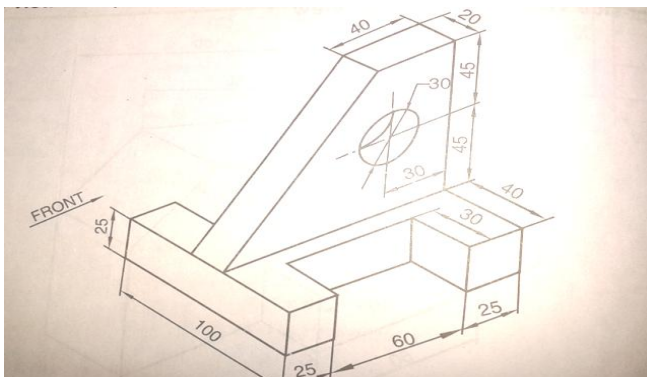
OR

   (b) The Plan of a 80mm long line AB measures 65mm , while the length of its elevation is 55mm. Its one end A is in HP and 12mm in front of VP. Draw its projections and find the angles of inclination with HP and VP.   [15 Marks]

Q4 (a) Given figure shows the pictorial view of an objects. Draw three orthographic views in first angle projection. Take FV in the direction of X.   [15 Marks]

OR

   (b) Draw the FV , SV and TV of the figure given below in third angle projection.   [15 Marks]

-- End of Question Paper --