

**COURSE CODE : MEC103**  
**COURSE NAME : 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 questions 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) A line AB, 50mm long, is in the VP and parallel to the HP. Draw front and top views of the line if its distance above HP is 40mm. [2.5 Marks]
- (b) What do you understand by RF and length of scale? [2.5 Marks]

**PART B**

- Q2(a) A ball is thrown in air that attains 200 mm height and covers a distance of 300 mm. Trace the path of the ball. [15 Marks]

**OR**

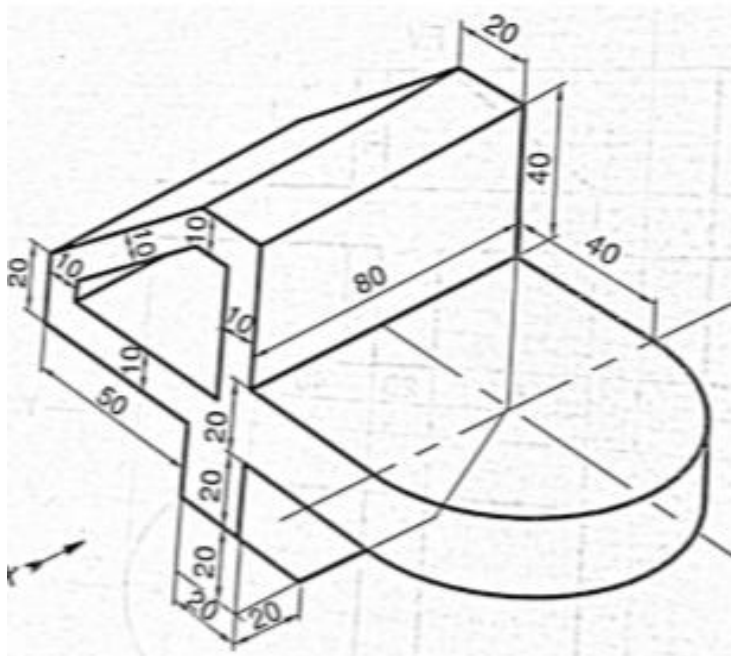
- (b) Construct an ellipse when its major axis is 120 mm and minor axis is 80 mm. [15 Marks]

- Q3(a) A line EF, 50 mm long is parallel to VP and inclined at 45 degree to HP, has its end E 10 mm in front of VP and 15 mm above the HP. Draw its projections and also locate traces. [15 Marks]

**OR**

- (b) A line AB, 50 mm long, has its end A 30 mm behind VP and 20 mm below HP. It is inclined at 45 degree to the HP and 30 Degree to the VP. Draw Its projection. [15 Marks]

- Q4(a) Draw the orthographic FV, TV and SV of an object.

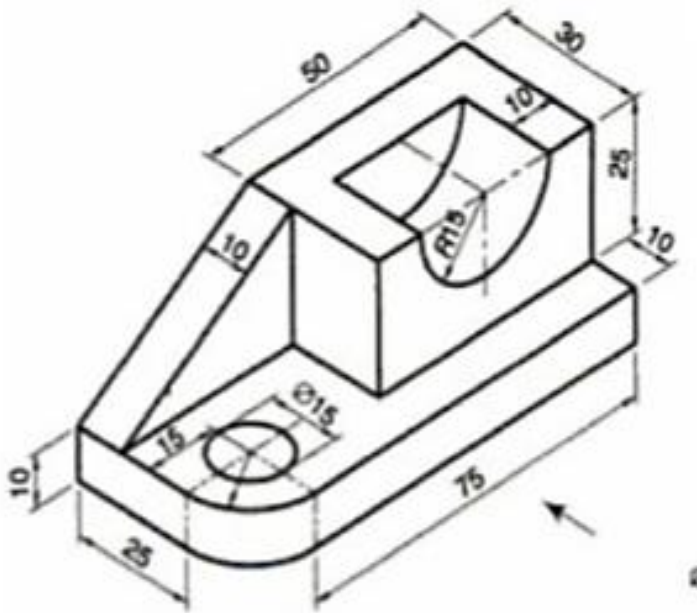


[15 Marks]

OR

(b) Draw the orthographic FV, TV and SV of an object.

[15 Marks]



-- End of Question Paper --