

MEP1000 MID-SEM EXAM (2025-26-SEM-I)

15-09-2025

Total Marks: 70

Name:-..... Entry No:-..... Group No:-.....

Seat No:-.....

PART A [30]

INSTRUCTION

- 1. Part A consists of two questions, both of which must be completed in Fusion 360.*
- 2. The allotted time for Part A is 50 minutes, followed by 10 minutes for submission.*
- 3. After completing Part A, Part B will be provided. Part B will include manual questions.*
- 4. Write your Name, Entry Number, and Group Number clearly on your answer sheet.*
- 5. Save your work in a folder named using the format:
Name_EntryNumber_GroupNumber.*
- 6. Compress the folder into a .zip file and submit it via the Moodle link provided.*
- 7. Ensure that all required files are included in the zip file before submission.*
- 8. Submissions via email or any other method will not be accepted.*
- 9. File sharing is strictly prohibited.*
- 10. It is the student's responsibility to ensure correct submission. Incomplete, incorrect, or shortcut files will result in zero evaluation.*
- 11. The Part B question paper will be provided only after submission of the Part A paper*

Name:-..... Entry No:-..... Group No:-.....

Q1. Fig.1 is the 3D view of the toilet paper holder and Fig.2 &3 are for reference and dimensions. Please create a model in fusion 360.

[10 Mark]

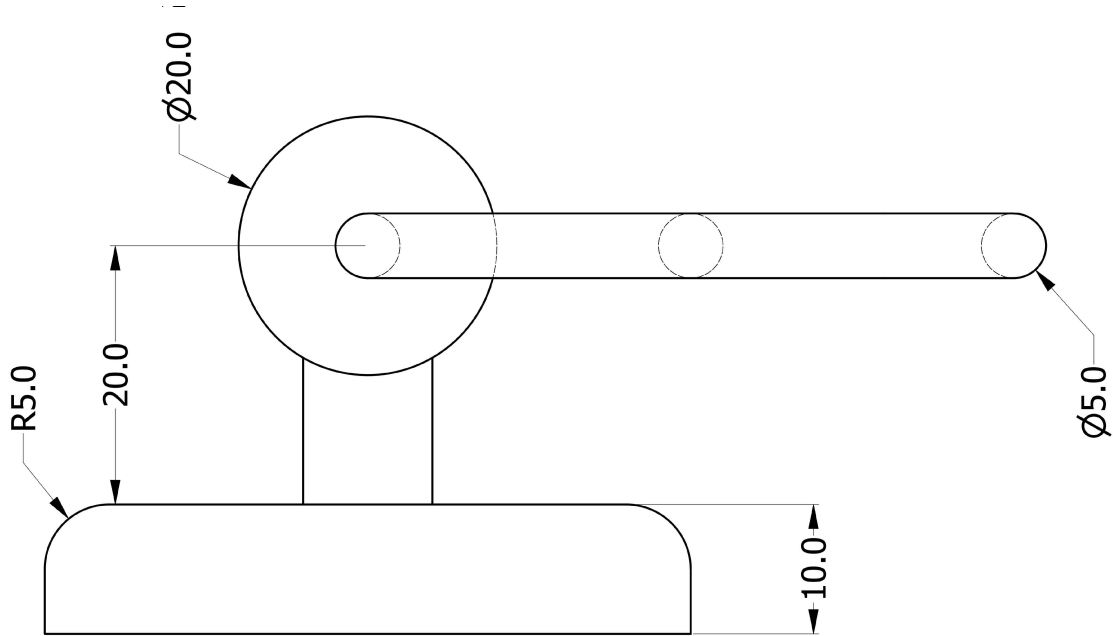


FIG. 2

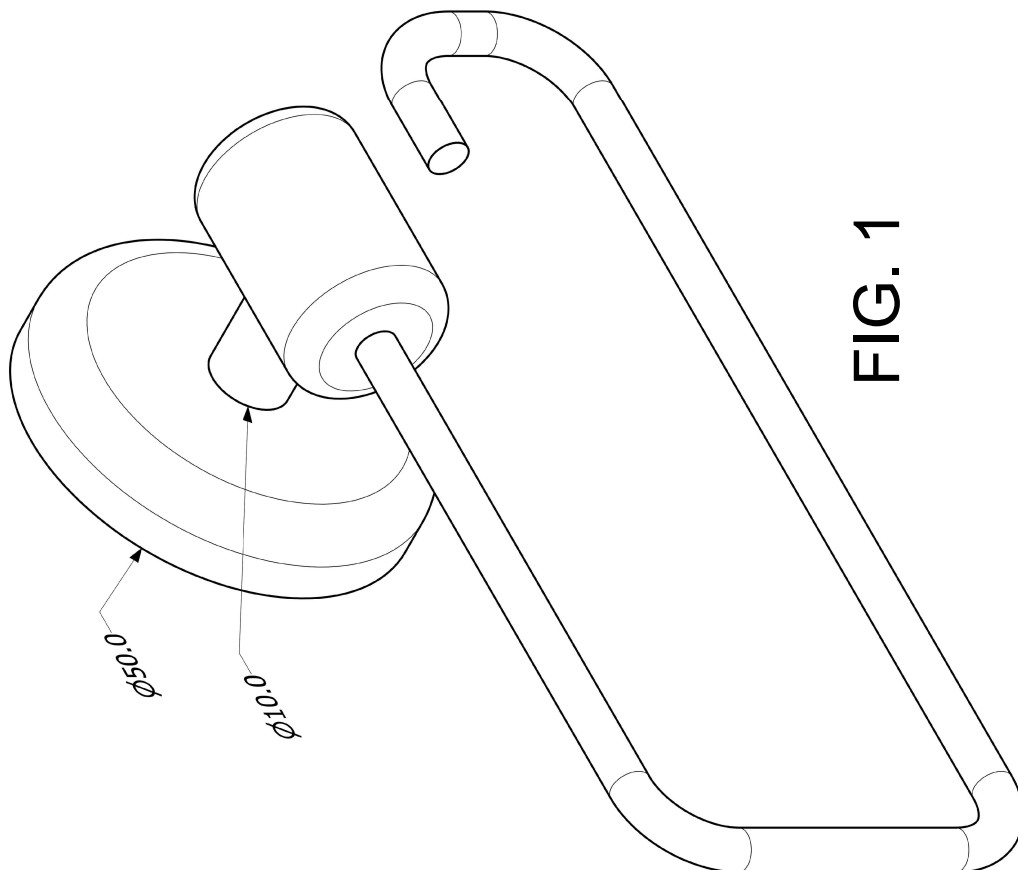


FIG. 1

Group No:-.....



Name:-..... Entry No:-..... Group No:-.....

Q2. Fig.4 is the 3D view of the headphone and Fig.5,6&7 are for reference and dimensions. Please create a model in fusion 360.

[20 Mark]

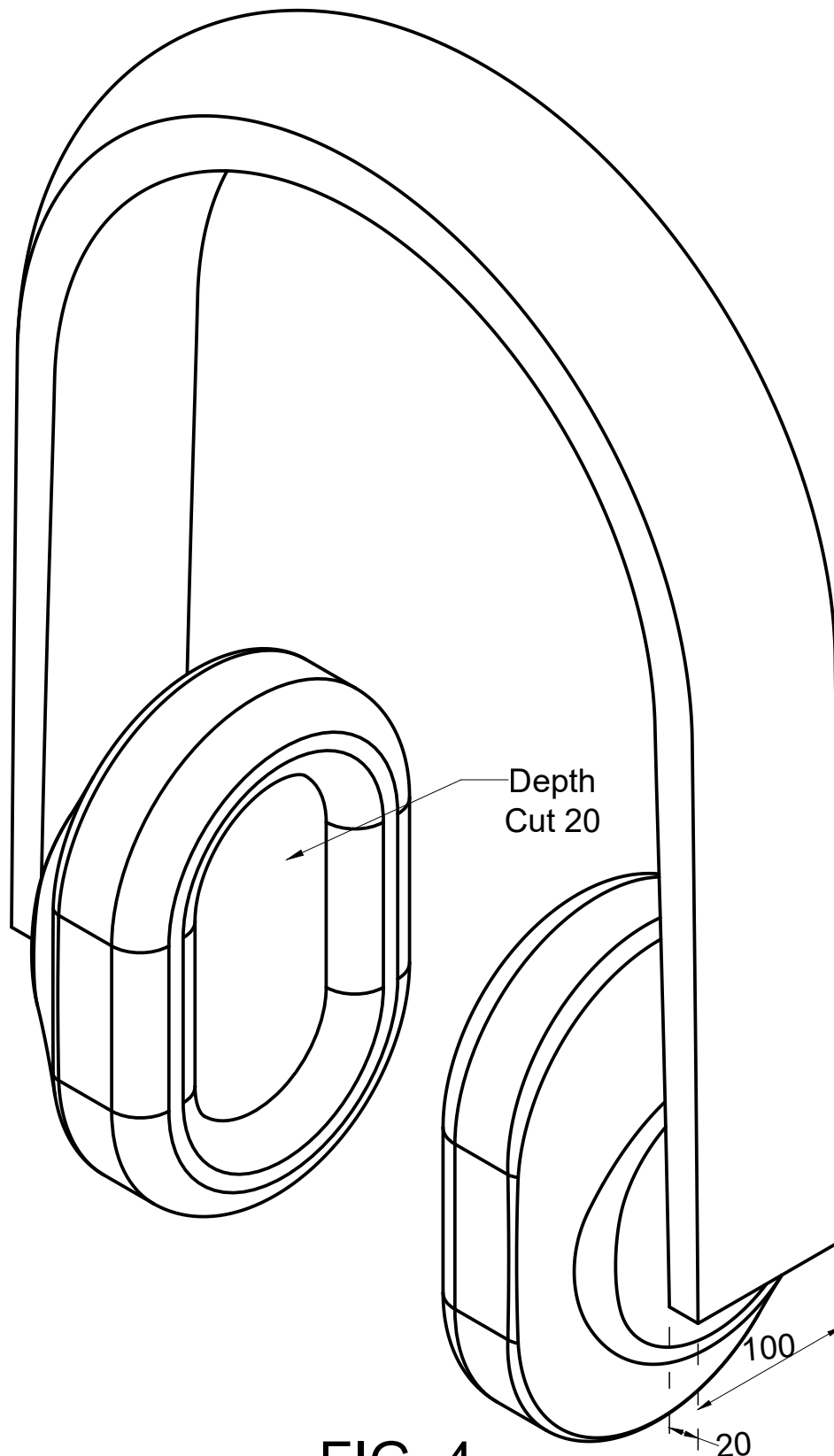


FIG. 4

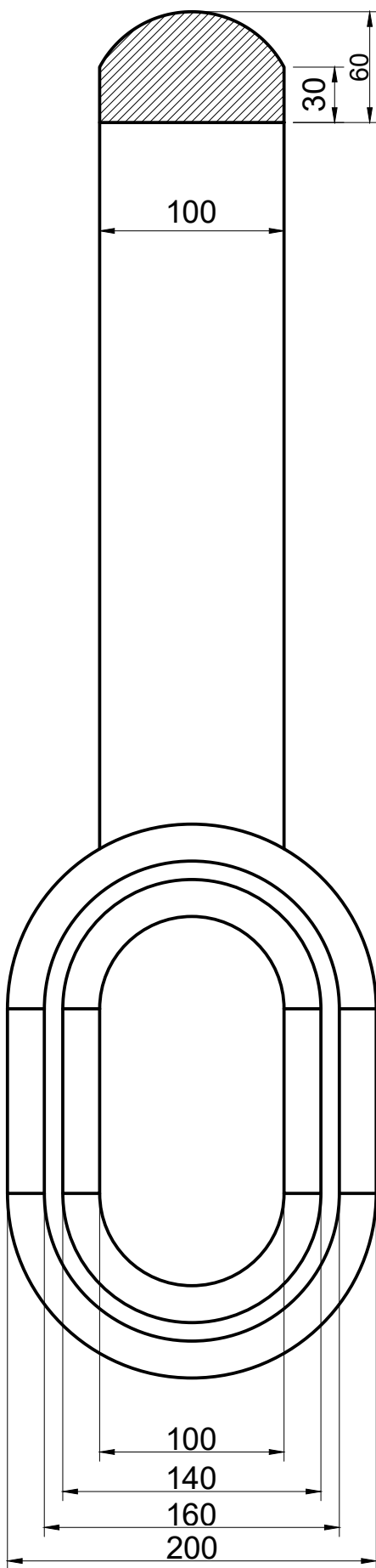


FIG. 5

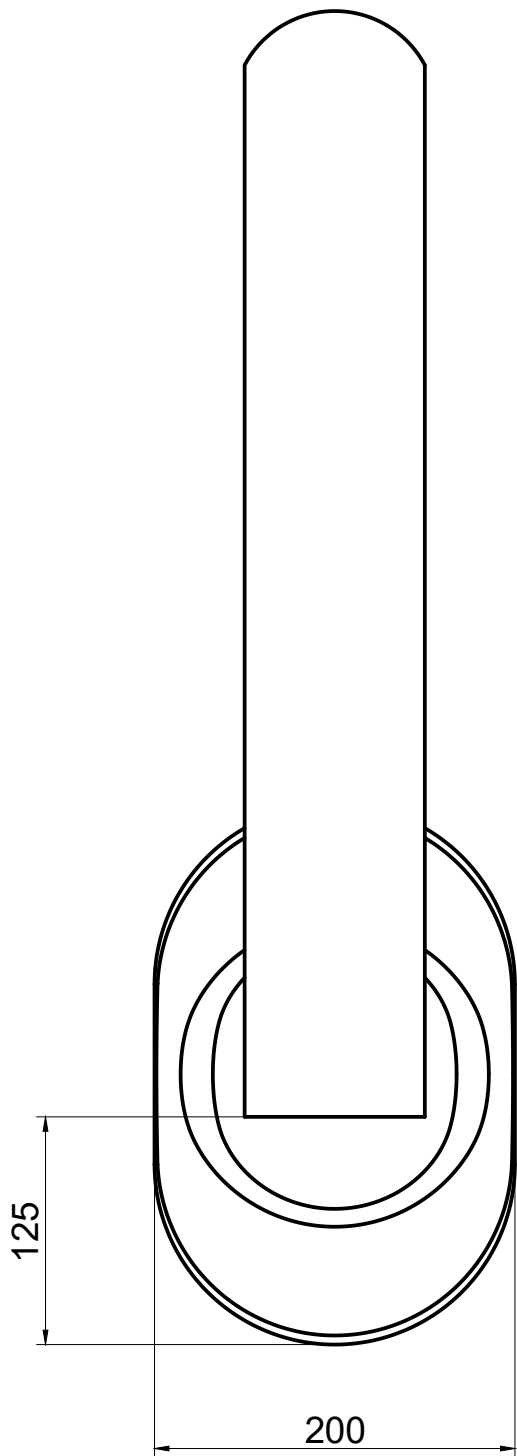
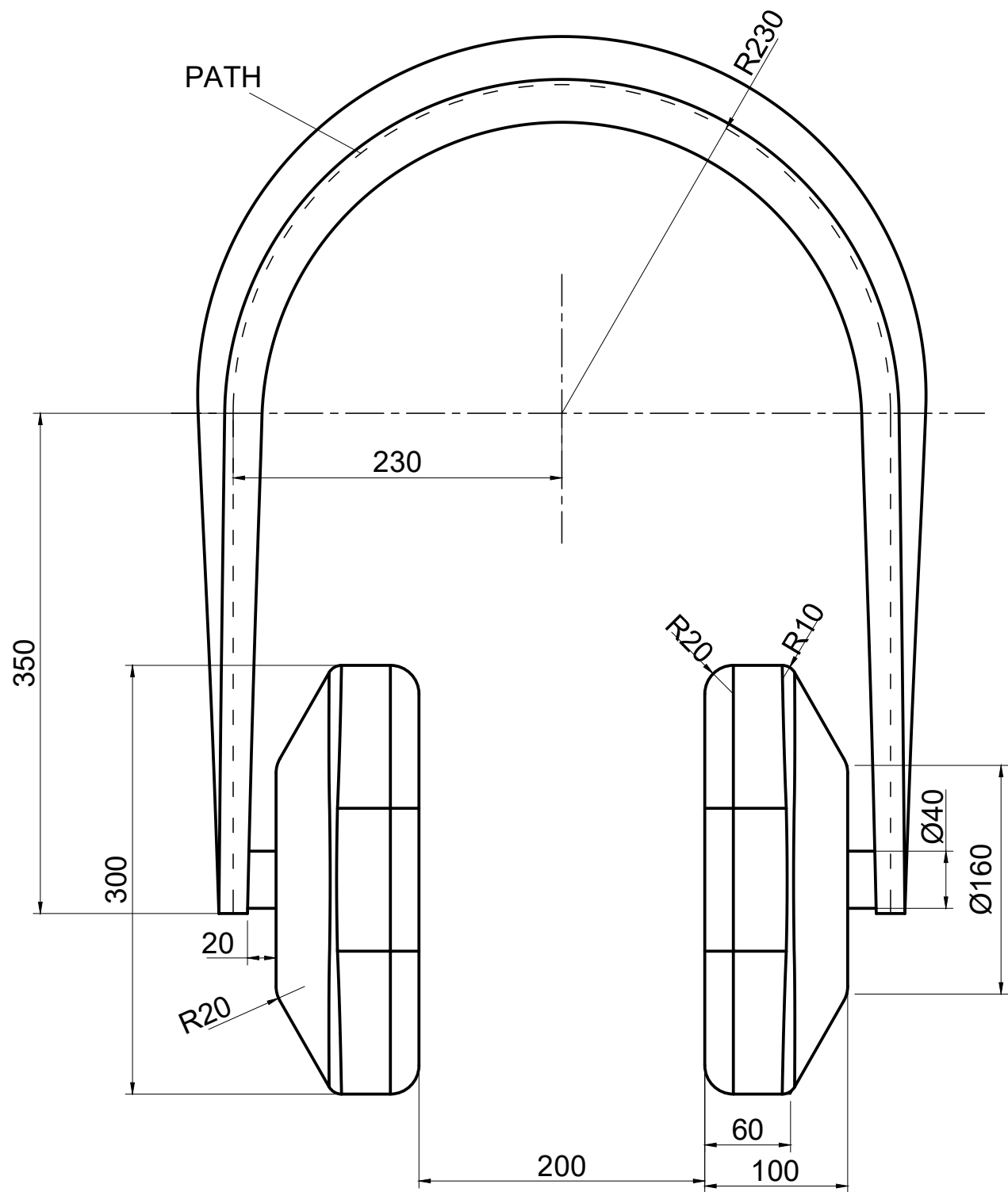


FIG. 6



Name:-..... Entry No:-..... Group No:-.....

Room No:-..... Seat No:-.....

PART B[40]

INSTRUCTION

- 1. Part B consists of four questions.*
- 2. The allotted time for Part B is 60 minutes.*
- 3. Write your Name, Entry Number, and Group Number clearly on your answer sheet.*
- 4. Answer all questions on sheet itself.*

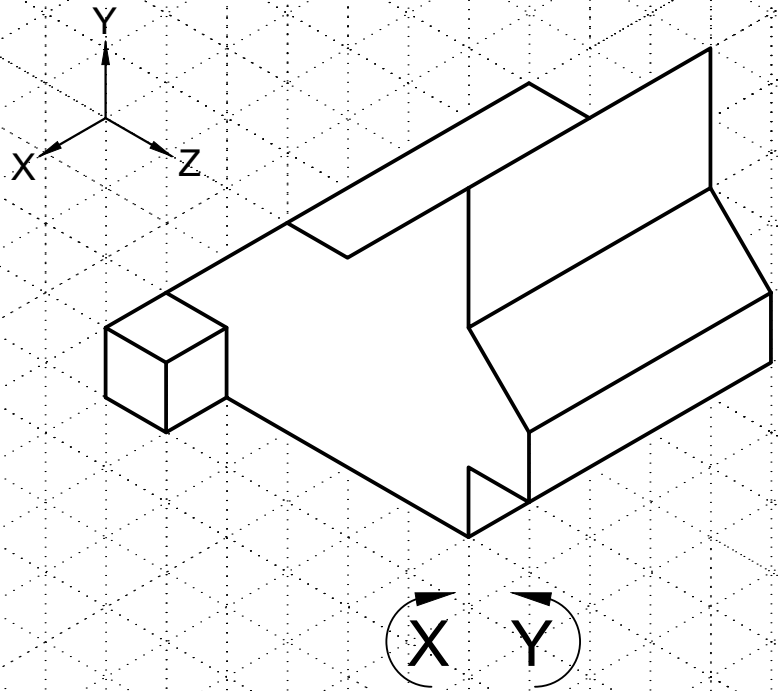
Name:-..... Entry No:-..... Group No:-.....

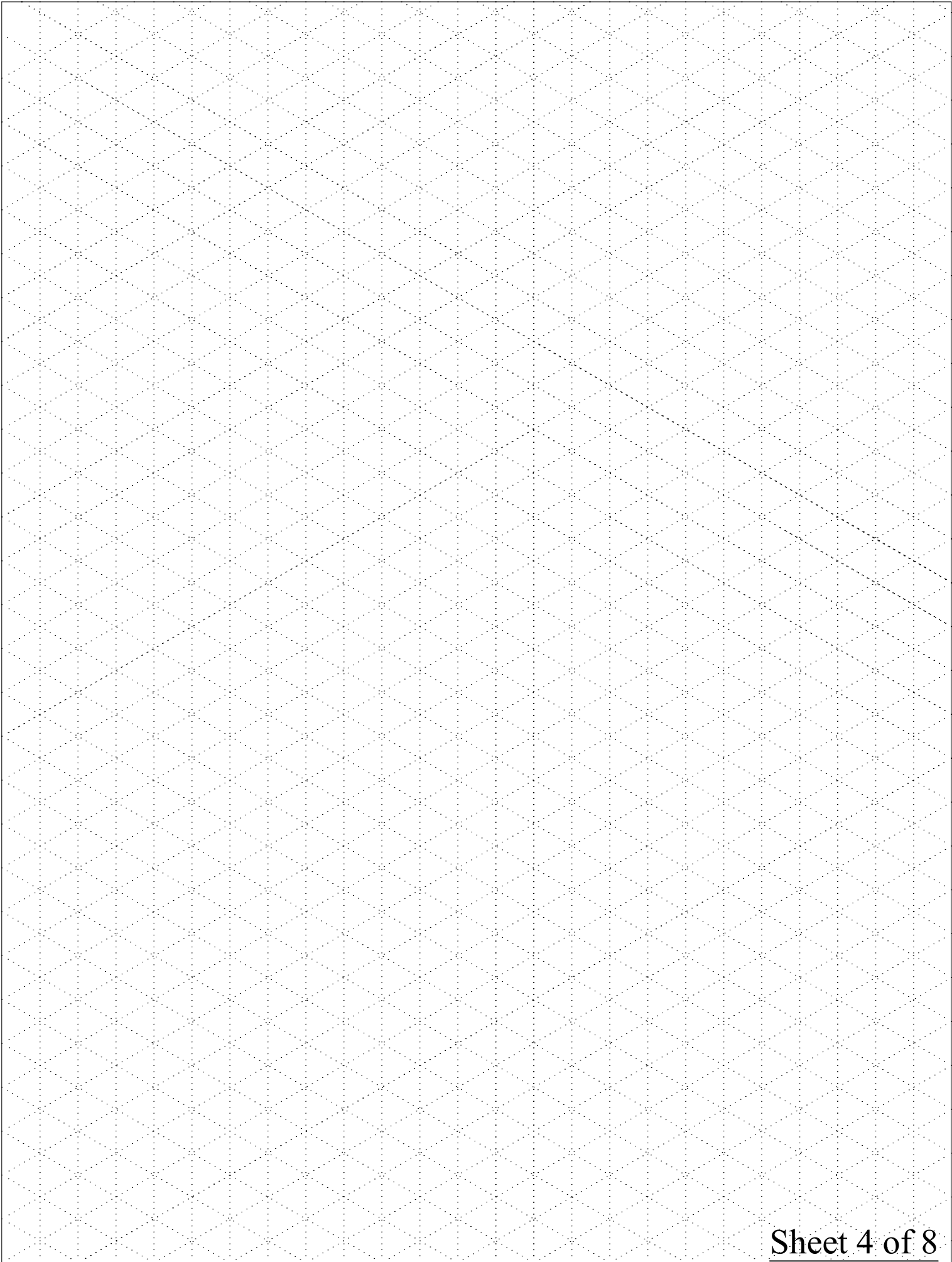
Q1. Fill in the blanks. Each blank carries 0.25 marks. [10 MARKS]

1. In 3rd angle of projection, _____ is placed between _____ and observer.
2. Orthographic projection is classified under _____ type of projection.
3. In isometric projection, the three axes are inclined at _____° to each other.
4. Oblique projection is classified as _____ projection.
5. _____ projection is frequently used for architectural and artistic representations.
6. Parallel projection preserves _____.
7. In perspective projection, observer is located at _____ while in perspective projection observer is located at _____.
8. In orthographic projections, rear view is placed to the _____ of the front view.

Name:-..... Entry No:-..... Group No:-.....

Q2. Rotate the following object by the indicated directions about the respective axis by 90° and sketch the result on isometric grid paper. [10 MARKS]





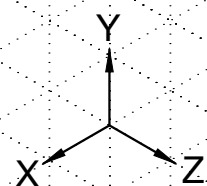
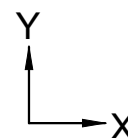
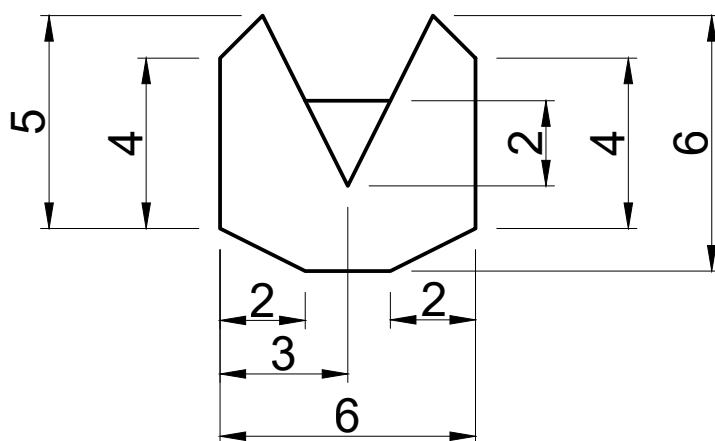
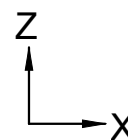
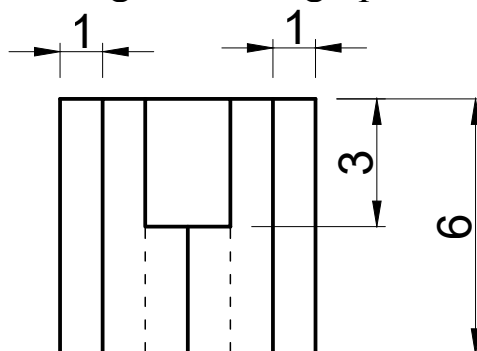
Name:-..... Entry No:-..... Group No:-.....

Q3. Draw the isometric view from the given orthographic views given below.

[10 MARKS]

T.V

F.V



Name:-..... Entry No:-..... Group No:-.....

Q4. Draw the Orthographic view(Front & Top Views) from the isometric view as shown in Fig.1 in 1st angle of projection. Fig.2 is for preference [10 MARKS]

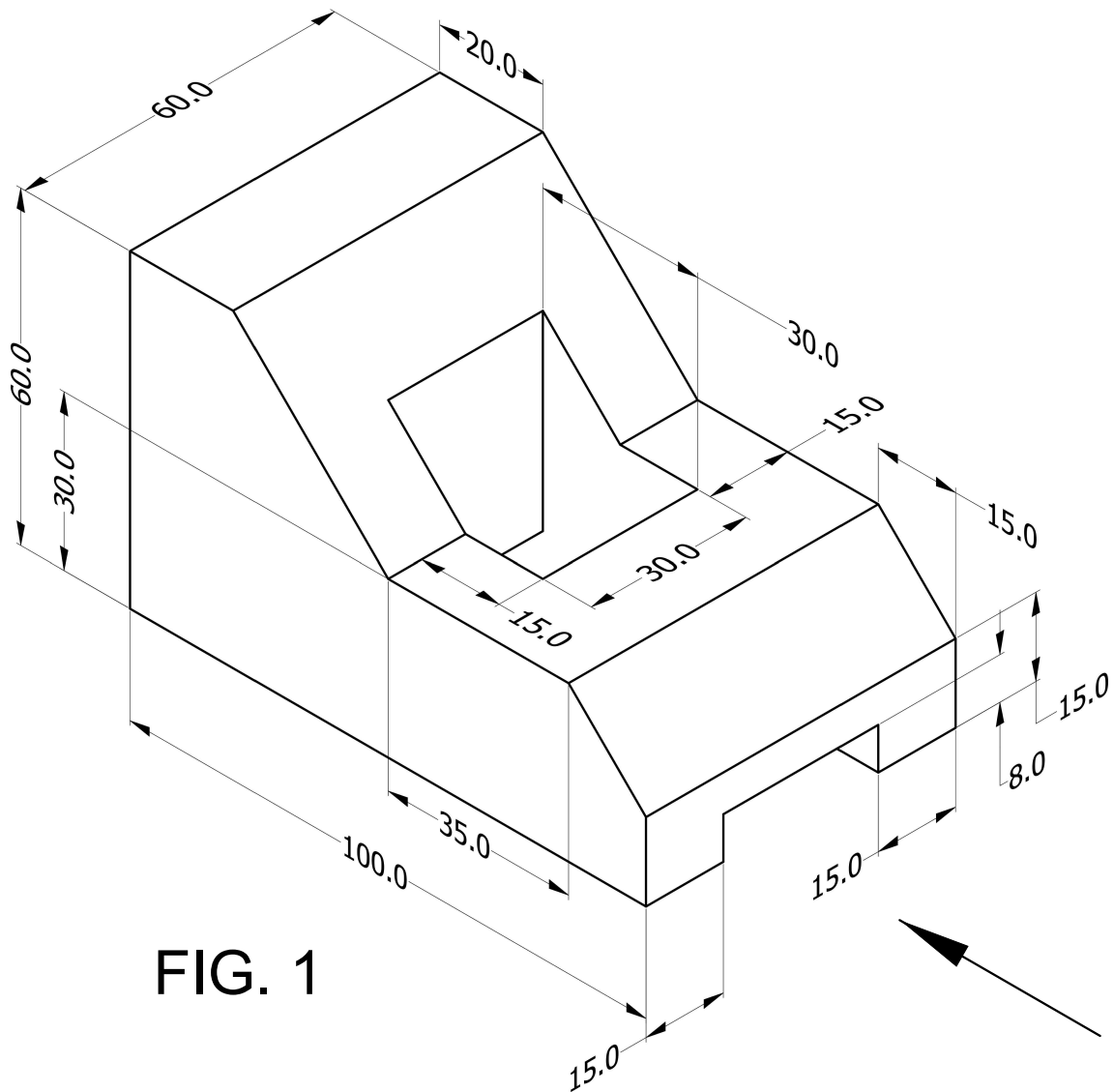


FIG. 1

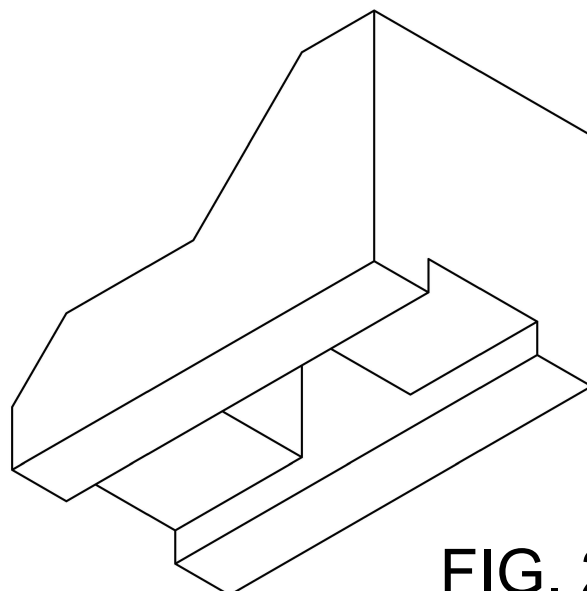


FIG. 2

Name:-..... Entry No:-..... Group No:-.....

[Space for Q2]

Name:-..... Entry No:-..... Group No:-.....