

# **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]

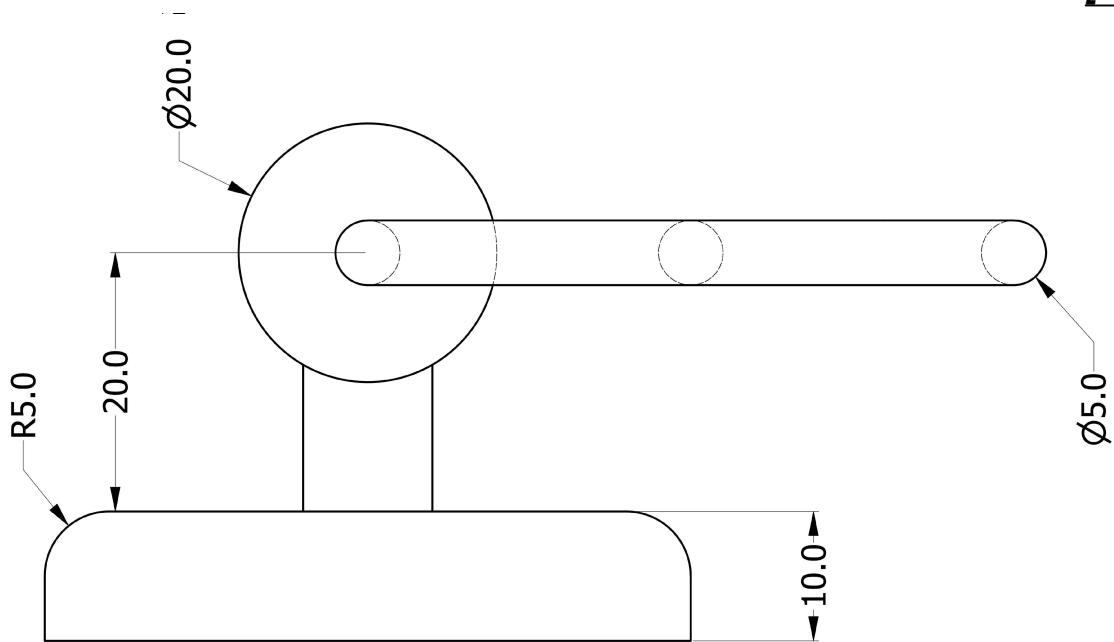


FIG. 2

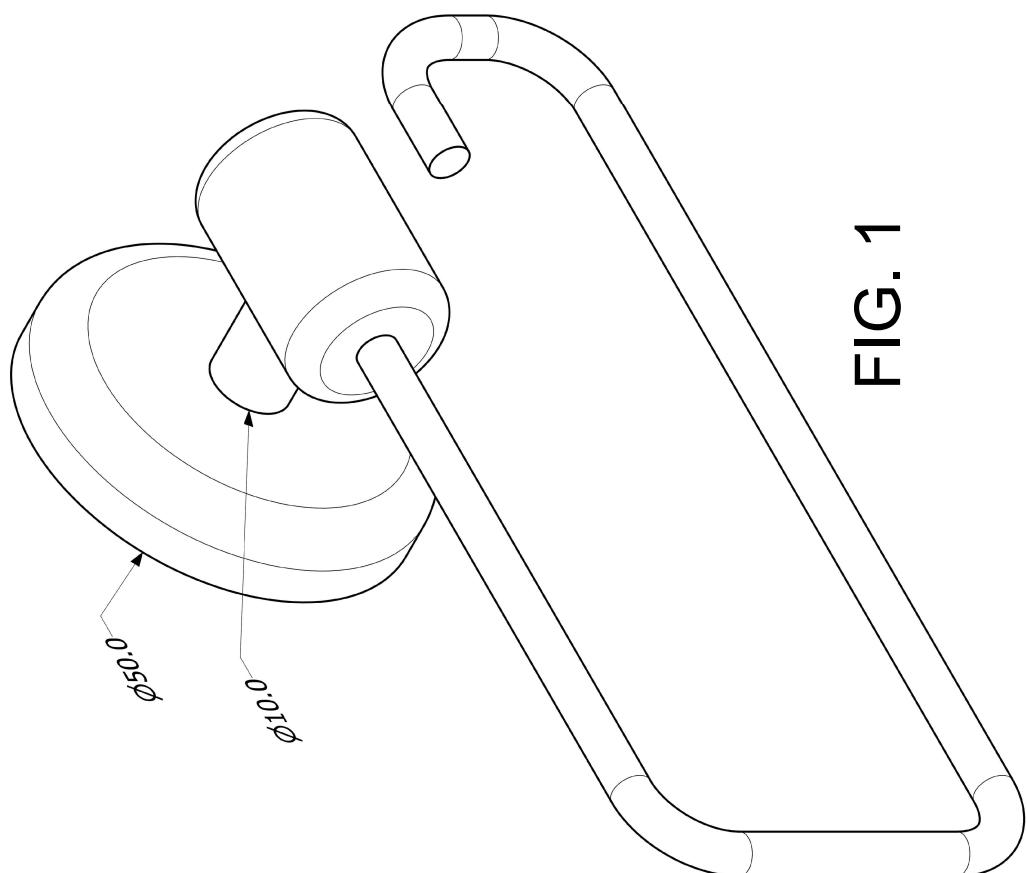


FIG. 1

Name:-.....

Entry No:-.....

Group No:-.....

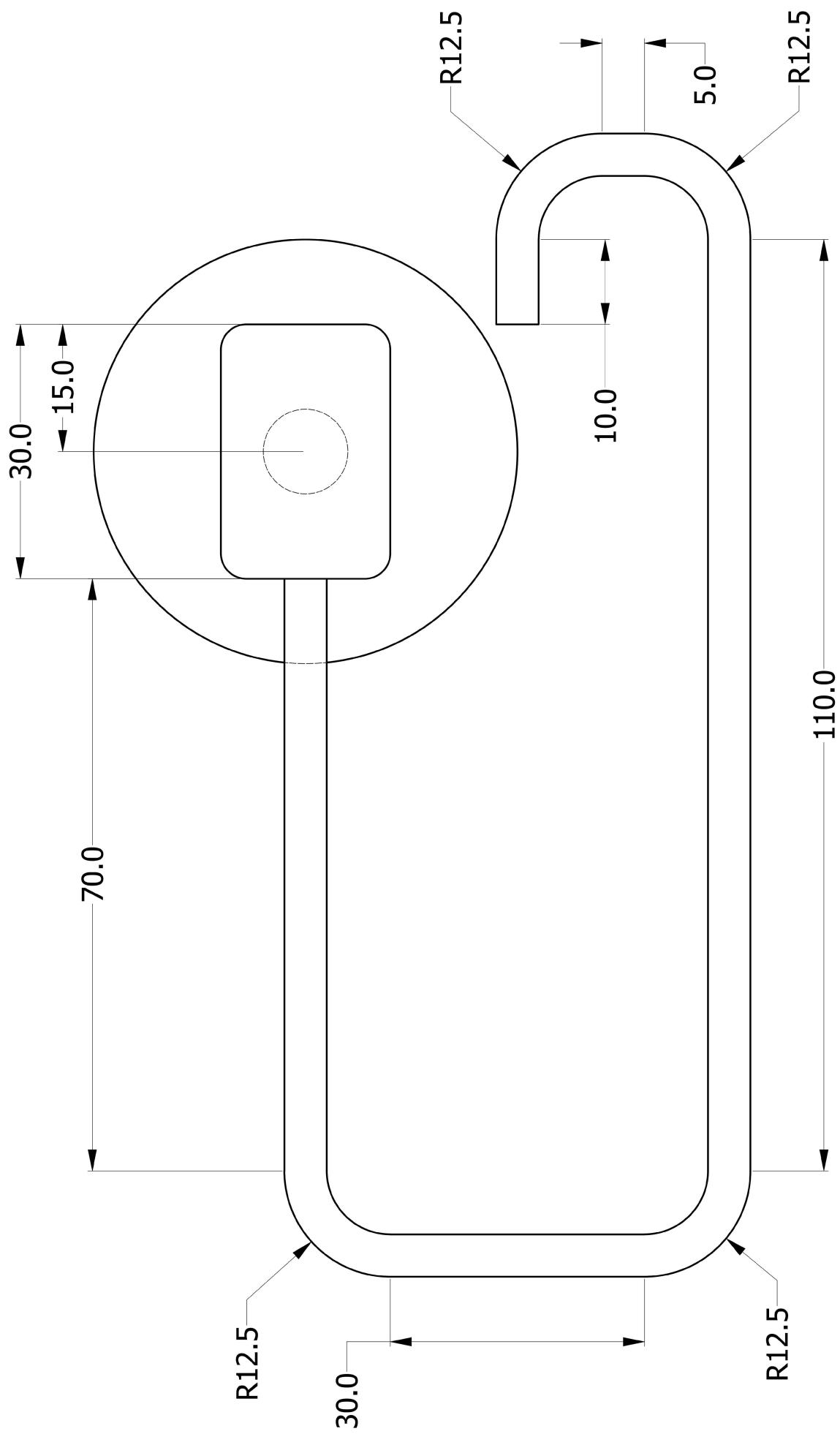


FIG. 3

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]

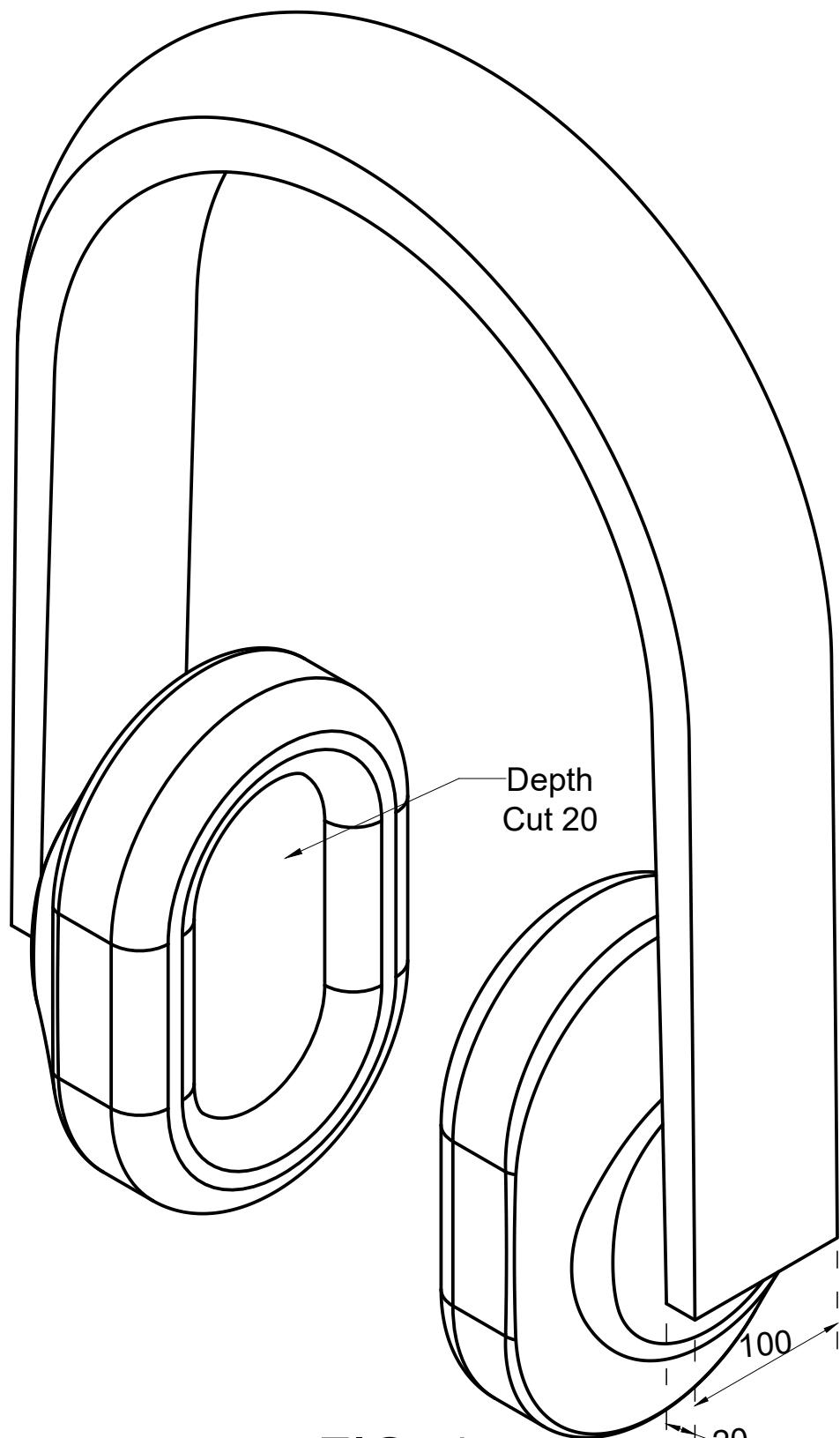
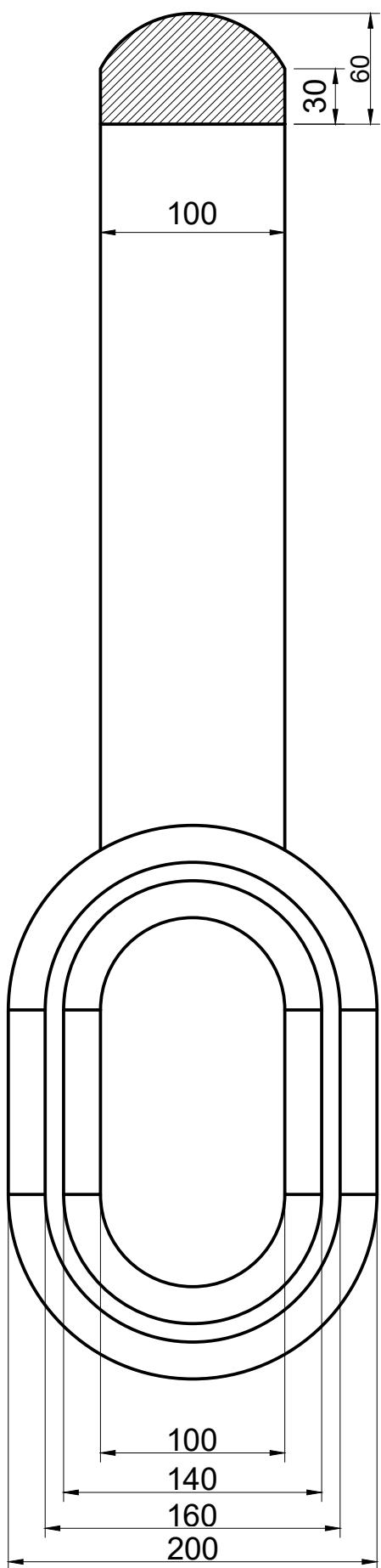


FIG. 4

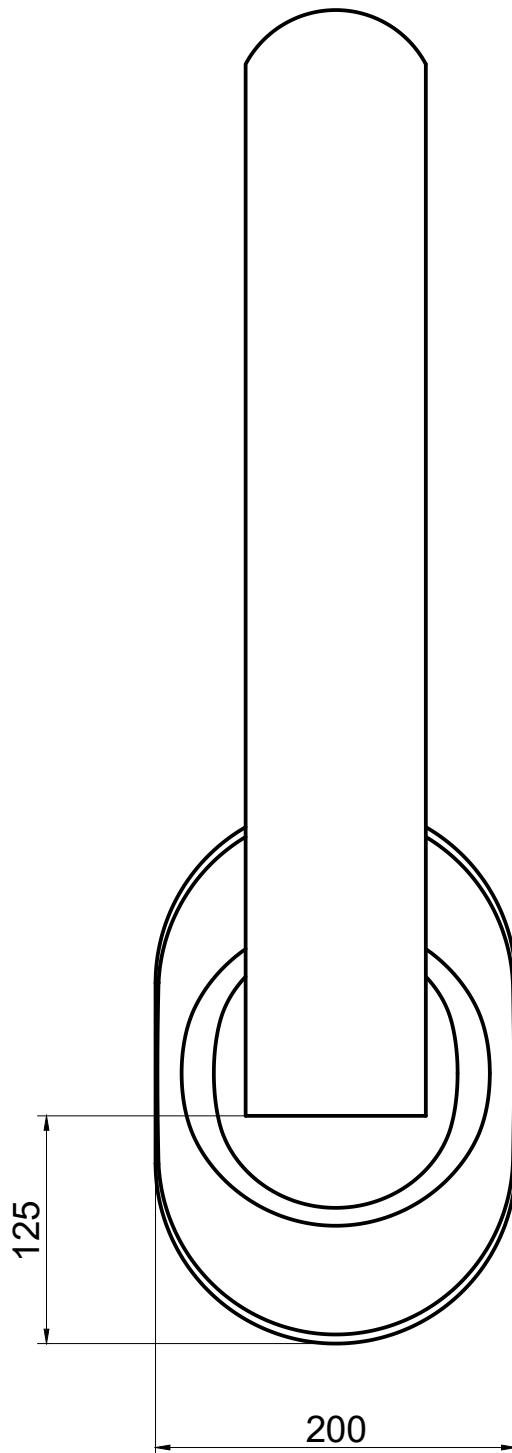
Name:-.....

Entry No:-.....

Group No:-.....



**FIG. 5**

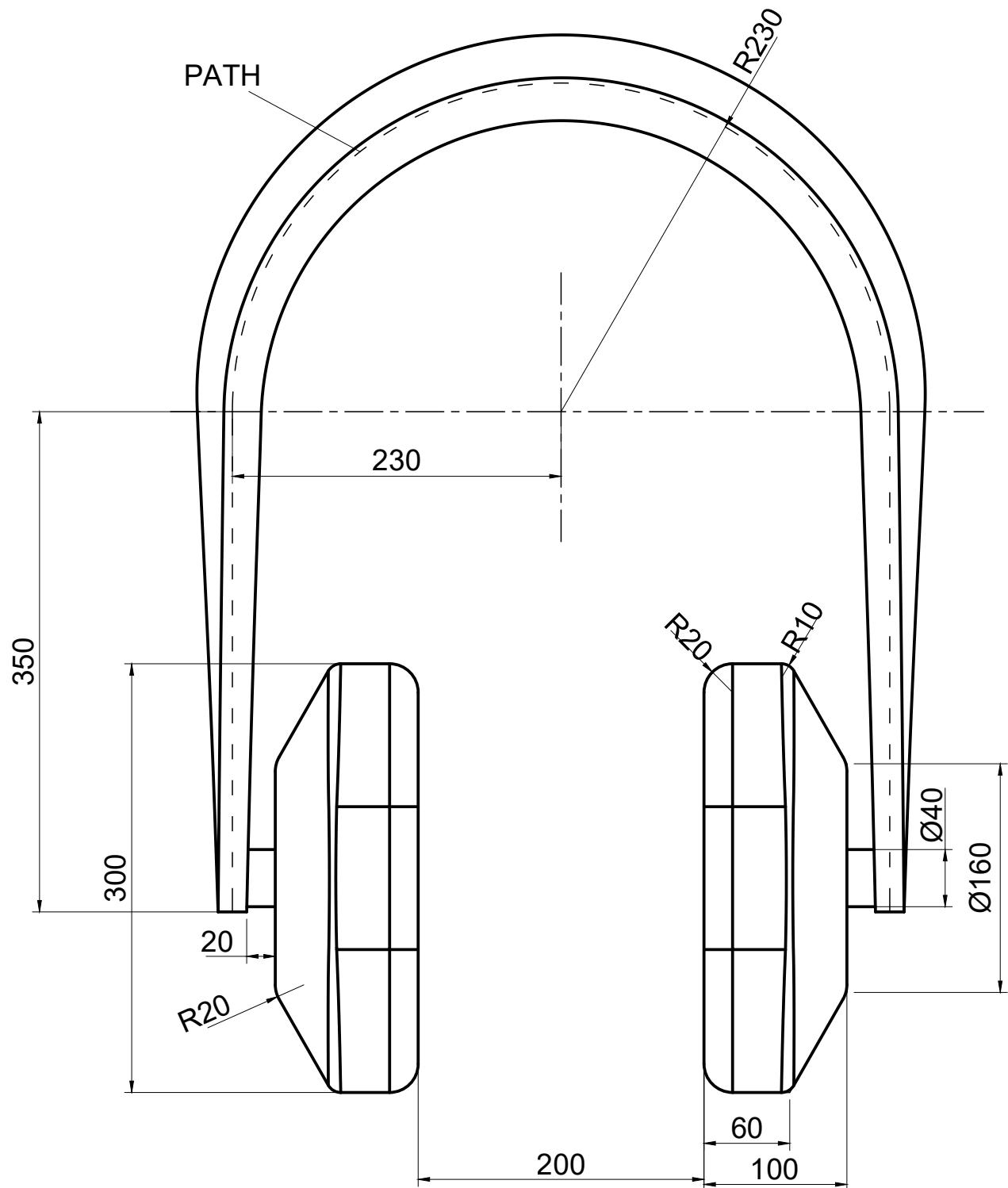


**FIG. 6**

Name:-.....

Entry No:-.....

Group No:-.....



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.*

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

1. In 3<sup>rd</sup> 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.

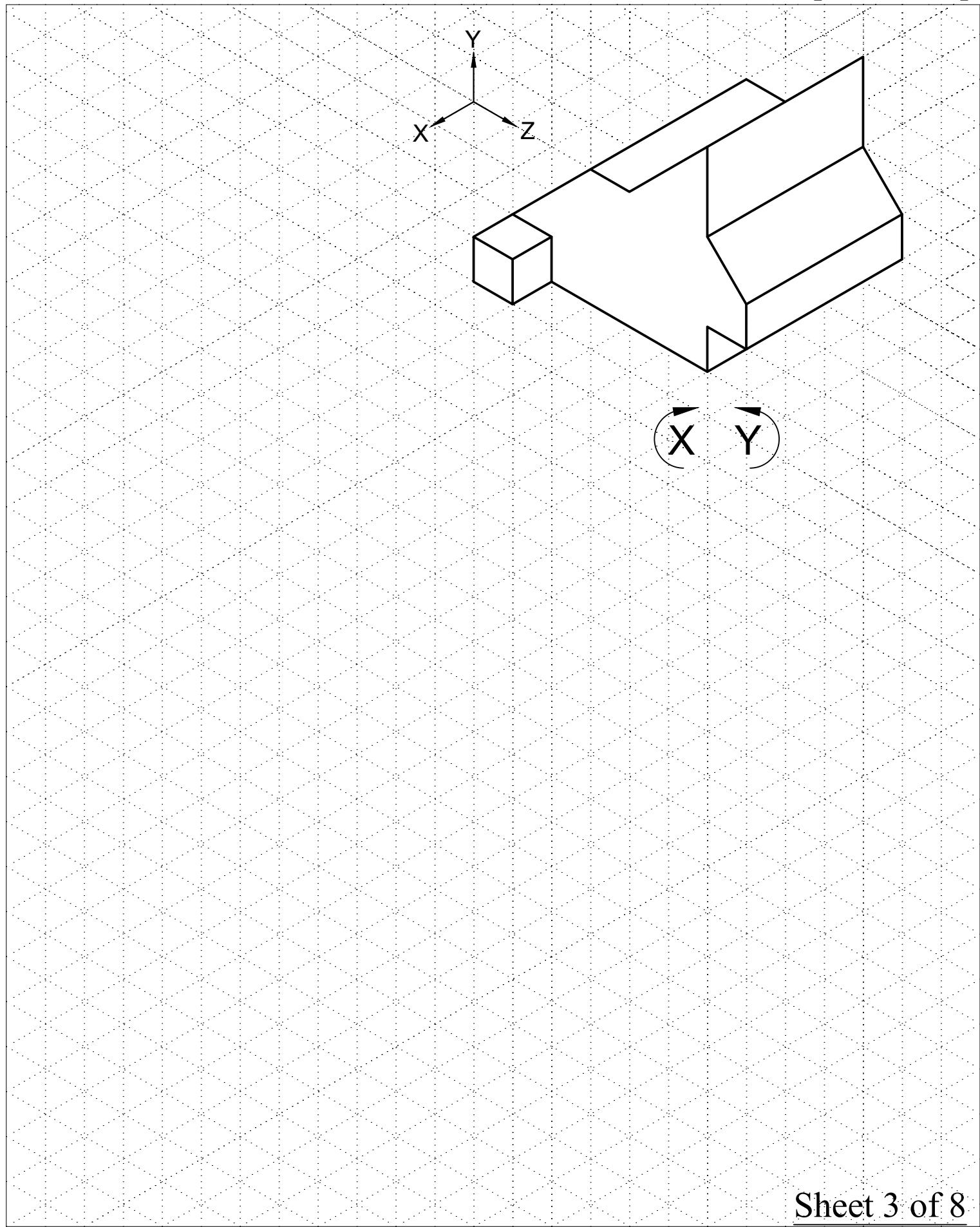
Name:-.....

Entry No:-.....

Group No:-.....

Q2. Rotate the following object by the indicated directions about the respective axis by  $90^\circ$  and sketch the result on isometric grid paper.

[10 MARKS]



Name:-.....

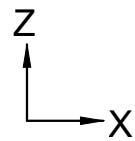
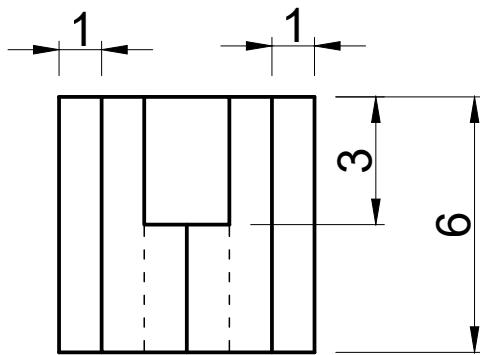
Entry No:-.....

Group No:-.....

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

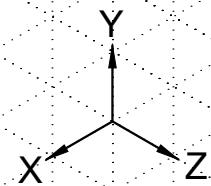
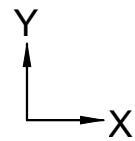
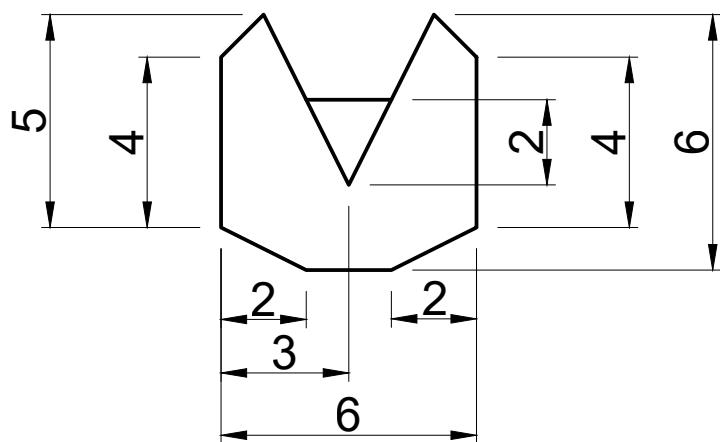
Q3. Draw the isometric view from the given orthographic views given below.

[10 MARKS]



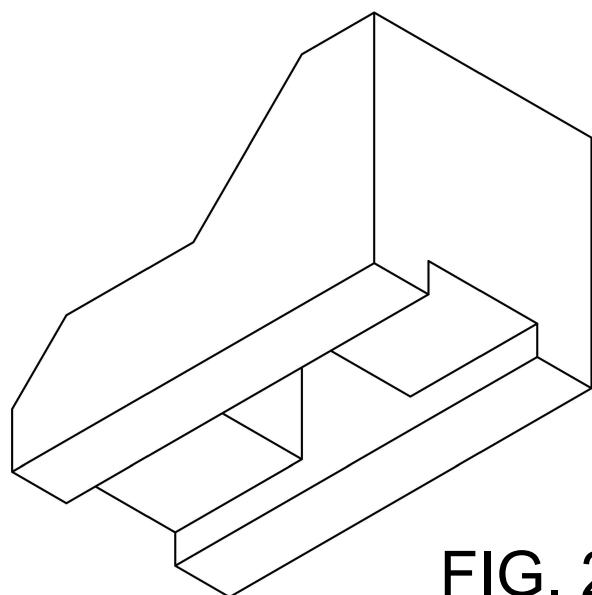
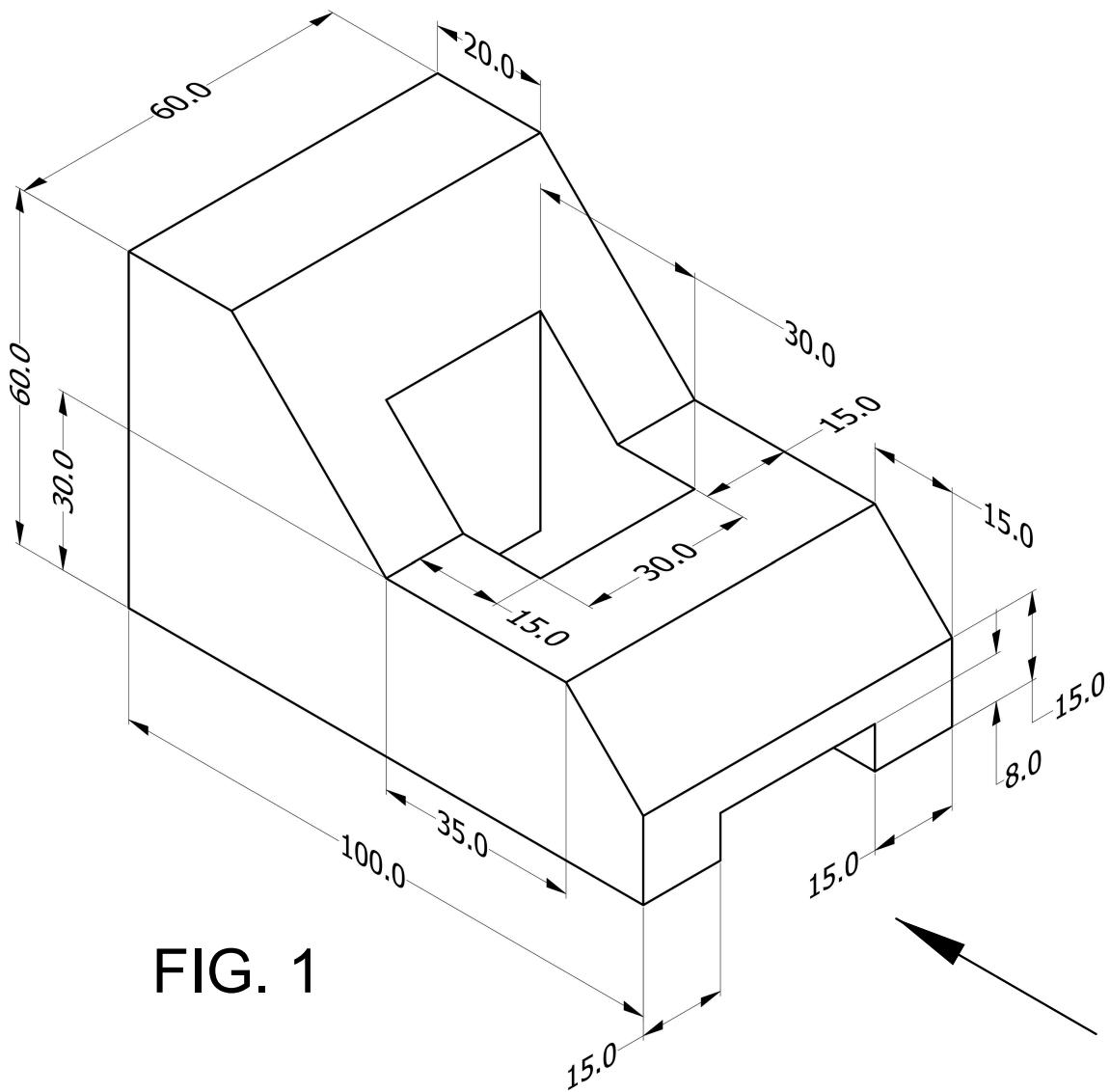
T.V

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]



Name:-.....

Entry No:-.....

Group No:-.....

[Space for Q2]

Name:-.....

Entry No:-.....

Group No:-.....