UNIVERSITY COLLEGE TATI

UNIVERSITY COLLEGE TATI (UC TATI)

FINAL EXAMINATION QUESTION BOOKLET	
COURSE CODE	: BME 1013
COURSE	: ENGINEERING DRAWING (CAD)
SEMESTER/SESSION	: 2 - 2024/2025
DURATION	: 3 HOURS

Instructions:

1. This booklet contains **5** questions. Answer **ALL** questions.
2. All answers should be drawing in CAD File **(.dwg)** saved in the **Thumb Drive** provided.
3. Save your drawing files in to the created folder **23B0XXXX_FINAL_ CADLABX_WSXX.**
   (23B0XXXX is your matrix number), (WS is your workstation number)
4. Write legibly and draw sketches wherever required.
5. If in doubt, raise your hands and ask the invigilator.

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO

THIS BOOKLET CONTAINS 5 PRINTED PAGES INCLUDING COVER PAGE

Instruction:
Please ensure that all the answers to be saved together in **only one CAD file** and located at the Desktop in a folder. The folder name is:
21B0XXXX_FINAL_CADLABX_WSXX

All units are in millimeter (mm). Save drawing in CAD file (.dwg/.ipt)

QUESTION 1

Reproduce the drawing as a Figure 1 as a standard:

a) Object line (10 marks)

b) Construction line (5 marks)

c) Dimension accuracy (5 marks)

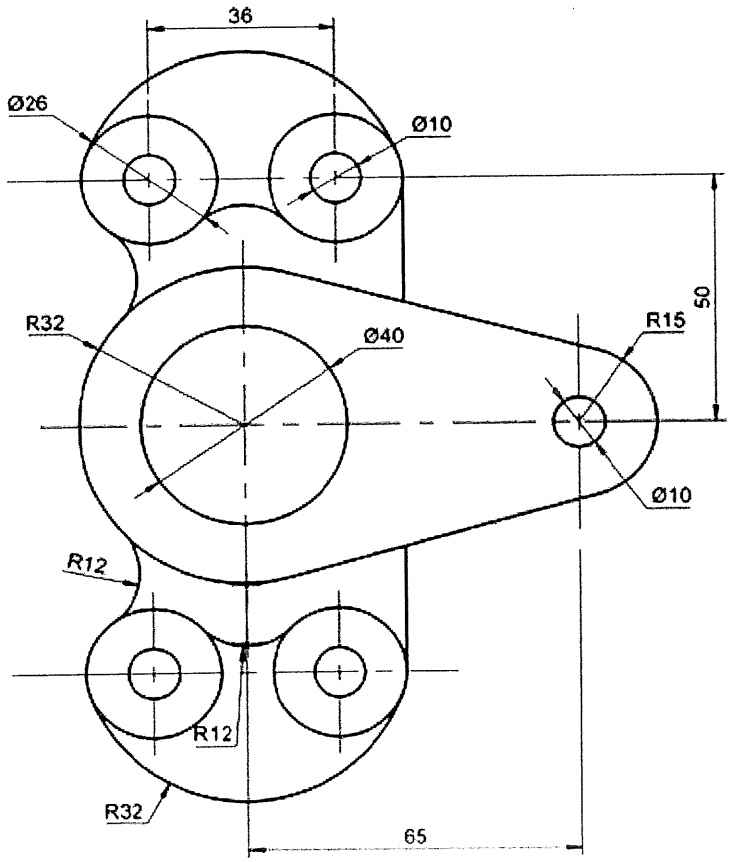


FIGURE 1

QUESTION 2

Figure 2 shows the isometric view of a part. **Illustrate** the part in full scale.

a. Isometric object (20 marks)

b. Dimensioning (5 marks)

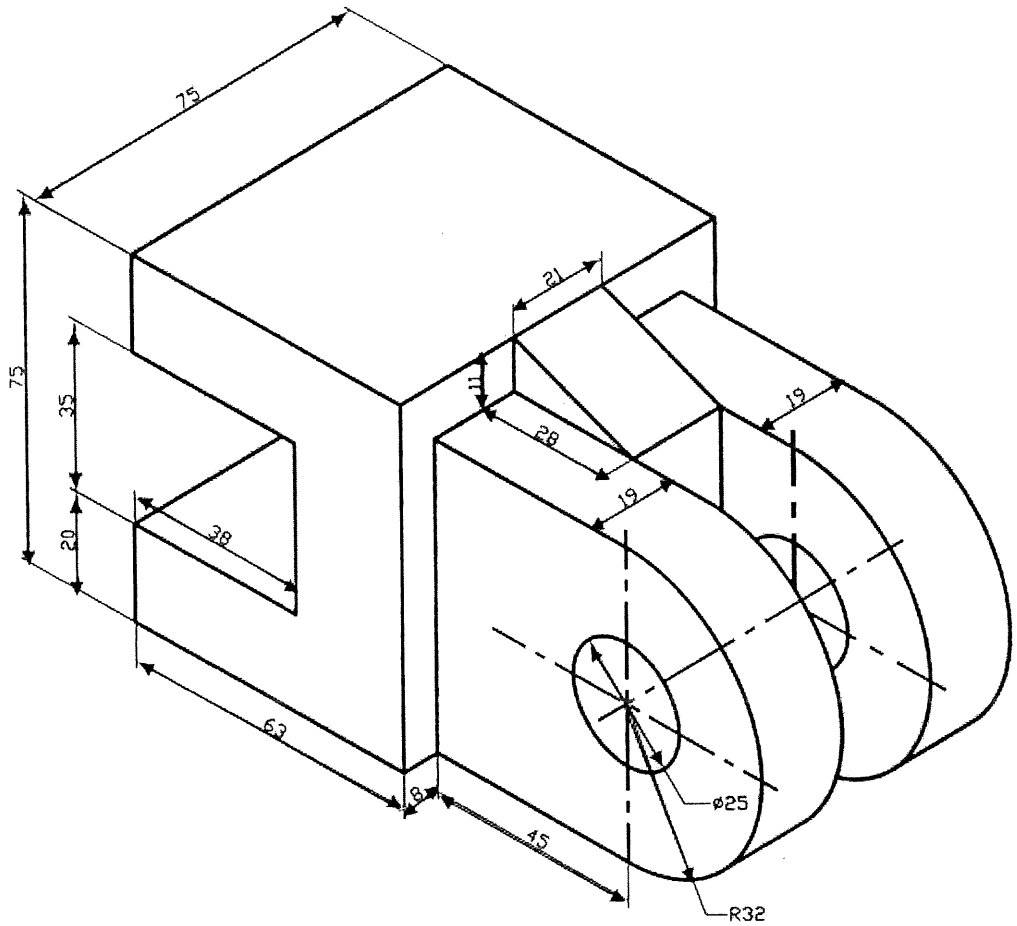
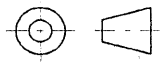


FIGURE 2

QUESTION 3

Figure 3 shows the isometric view of a part. **Construct** the part in full scale, using  projection

a. Reproduce the isometric view (10 marks)
b. Front view from direction A (5 marks)
c. Top view (5 marks)
d. Right side view (5 marks)
e. Dimensioning (5 marks)

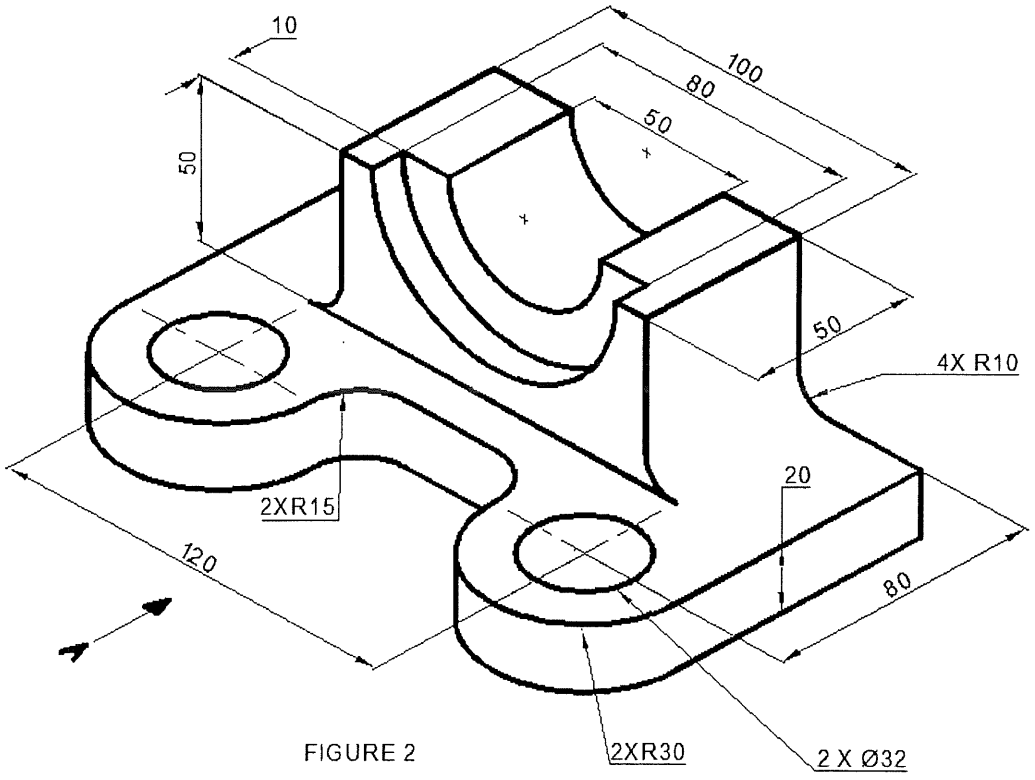
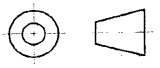


FIGURE 2

FIGURE 3

QUESTION 4

Figure 4 shows the isometric view of a part. **Construct** the part in full scale, using  projection

a. Reproduce the isometric view (5 marks)
b. Front sectional view from B-B (5 marks)
c. Top view (5 marks)
d. Right side view (5 marks)
e. Dimensioning (5 marks)

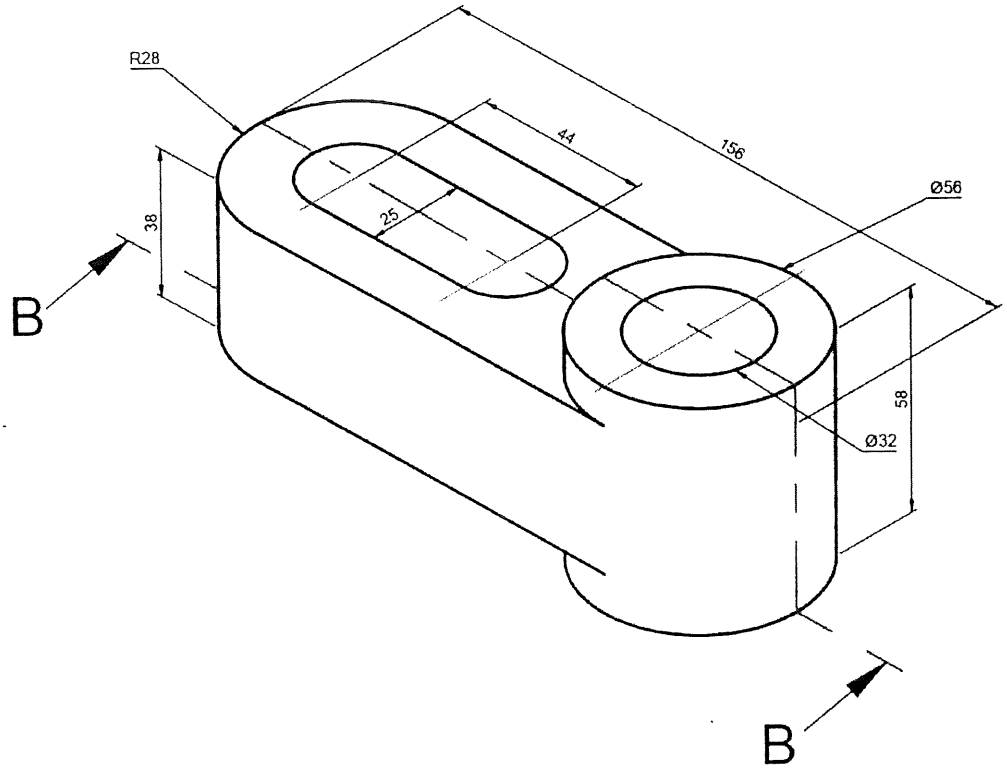


FIGURE 4

----------End of questions----------

Criteria	Marks
All questions answered will be marked according to the answer schema	/100