UNIVERSITY COLLEGE TATI

UNIVERSITY COLLEGE TATI (UC TATI)

FINAL EXAMINATION QUESTION BOOKLET	
COURSE CODE	: FED 1013
COURSE	: ENGINEERING DRAWING
SEMESTER/SESSION	: 3-2024/2025
DURATION	: 3 HOURS

Instructions:

1. This booklet contains 4 questions. Answer **ALL** questions.
2. All answers should be drawn in **A3 PAPER / A4 PAPER**.
3. Write legibly and draw sketches wherever required.
4. Please use at least basic drawing equipment such as **PENCIL**, **RULER**, and **ERASER** to answer the questions.
5. Please refer Appendix 1 for your reference to answer the questions.

THIS BOOKLET CONTAINS 5 PRINTED PAGES INCLUDING COVER PAGE

Instruction:
Please ensure that all the answers to be drawn separately according to the question number. **All units in Millimeter (mm).**

QUESTION 1

Produce the drawing as a Figure 1 as a standard:

i. Object line (15 marks)

ii. Dimensioning (10 marks)

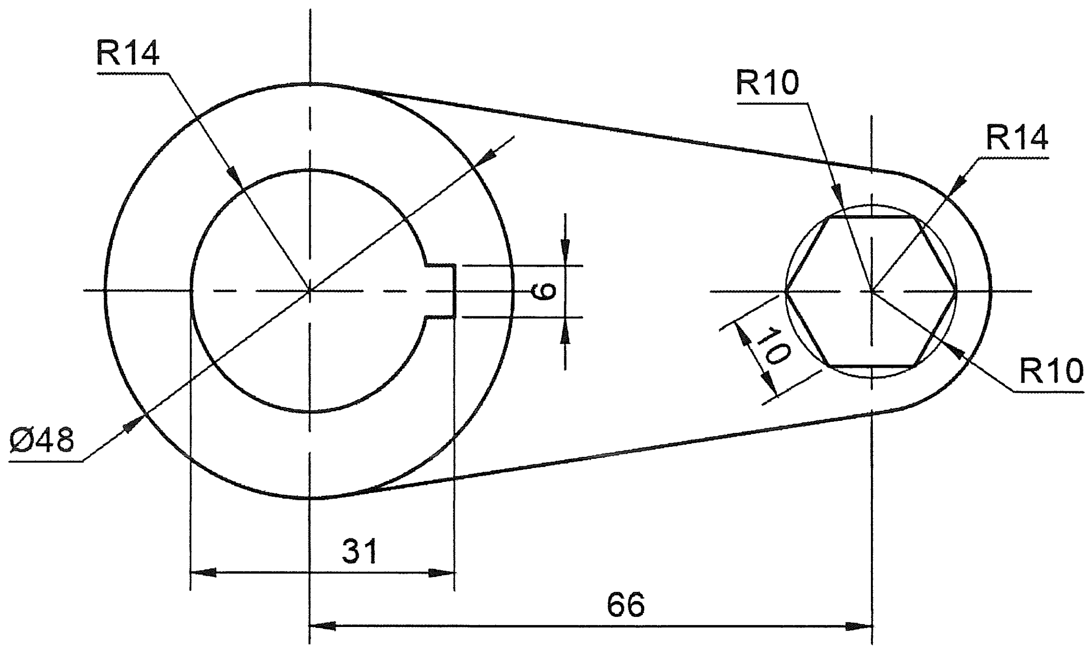


Figure 1

QUESTION 2

a) **Describe** why engineering drawing is called universal language of engineers in the world? (2 marks)

b) **List 4 (four)** types of line that used when producing an engineering drawing. (4 marks)

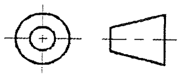
c) **List** the standard sizes of drawing sheets according to ISO and which is suitable for drawing work? (4 marks)

d) **Describe** 2 (two) types of projection views for orthographic drawing. (5 marks)

e) Please **explain** what isometric projection is. (4 marks)

f) **List** and **state** the purpose of dimensioning component according to the international standards. (6 marks)

QUESTION 3

Figure 2 shows the isometric view of a part. **Illustrate** the part in full scale, using projection; 

i. Front view (5 marks)

ii. Top view (5 marks)

iii. Side view (5 marks)

iv. Dimensioning (10 marks)

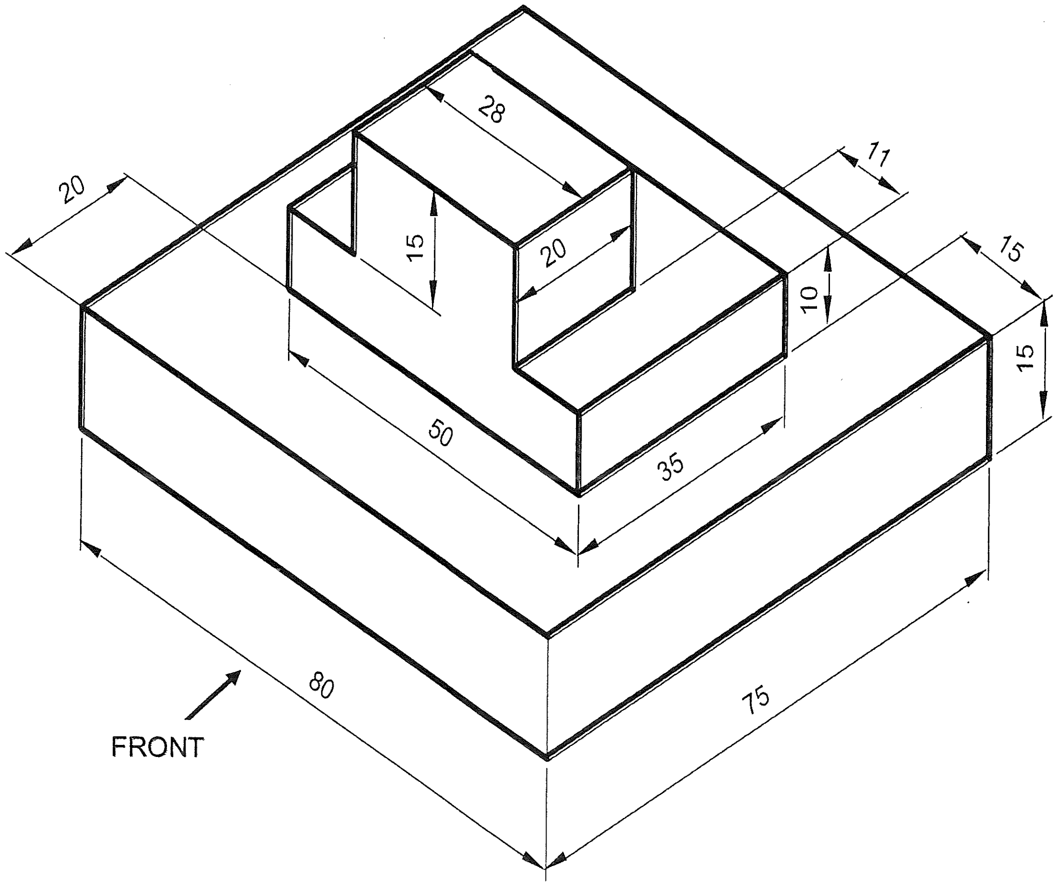


Figure 2

QUESTION 4

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

i. Isometric object	(15 marks)
ii. Construction line	(5 marks)
iii. Dimensioning	(5 marks)

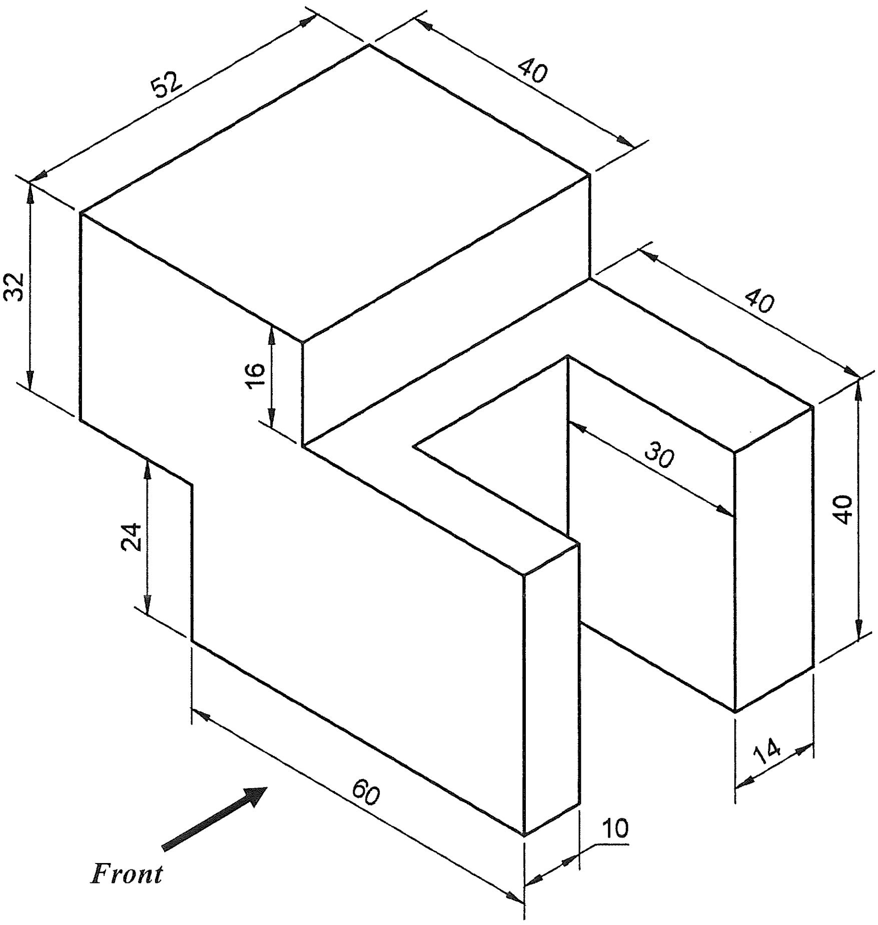


Figure 3

....End of Question...