THE OPEN UNIVERSITY OF SRI LANKA
FACULTY OF ENGINEERING TECHNOLOGY
LEVEL 05
MEK5201 – COMPUTER AIDED DRAFTING AND MODELLING
FINAL EXAMINATION 2011/2012

DATE   :   28th February 2012
DURATION   :   THREE HOURS

READ THE FOLLOWING INSTRUCTIONS CAREFULLY BEFORE ANSWERING

INSTRUCTIONS

1. Read the question carefully before you start answering it.

2. Clarify from the supervisor/invigilator in your examination hall if you have doubts.

3. Draw the title block, symbol etc. for answers.

4. Save drawings periodically to prevent data loss.

5. Do not write your name.

6. Write your index number on the Title cage of the drawing.

7. Save and name your final drawing by your index number in the pen drive given by the supervisor/invigilator.

8. Drawings saved in the pen drive are considered as the final answer.

9. Assume any missing dimension.

Question 01

(a) Generate the solid model of the object given in figure Q1.

(b) From the solid model, generate the front elevation of the object looking in the X direction and the plan to a scale of full size in first angle projection.

Note :– **Marks are given for the approach, organizing the drawing, overall view, dimension style settings and the cage.**
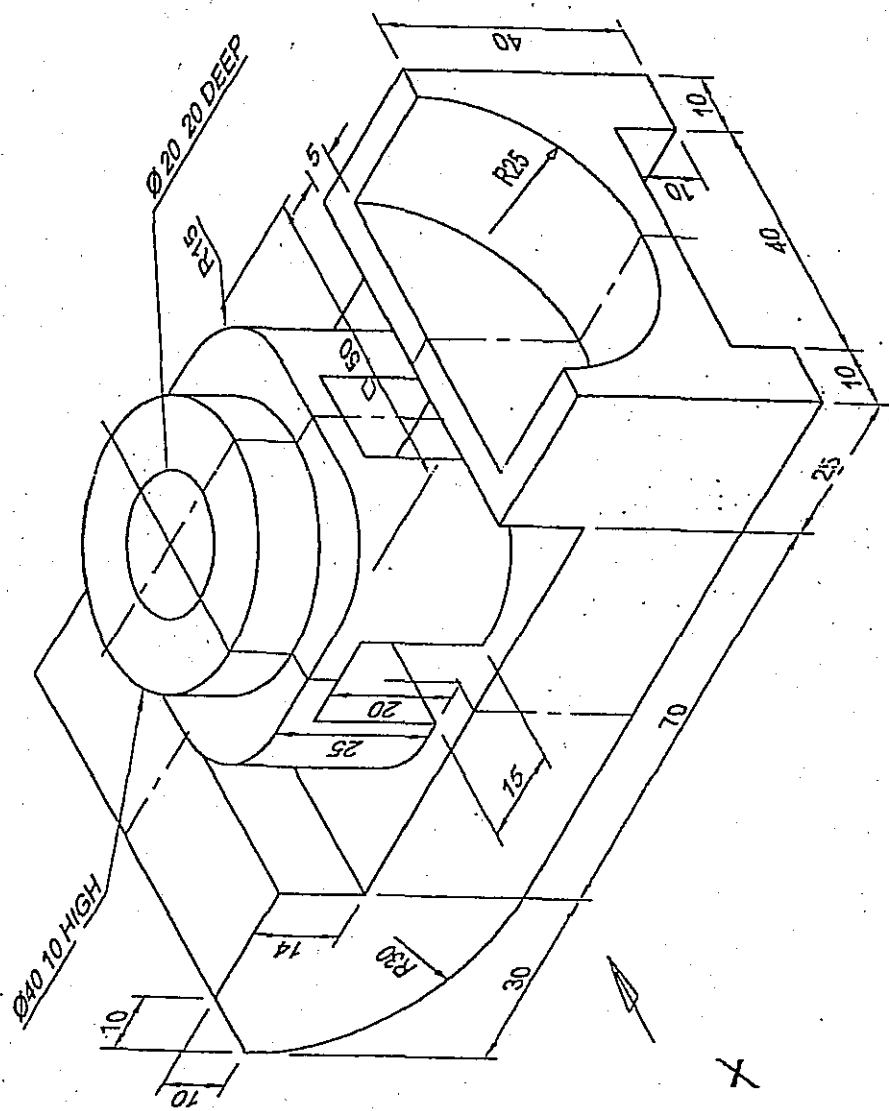
Figure Q1

Ø 20 20 DEEP

Ø40 10 HIGH

R15

R25

R30

50

40

40

5

10

10

10

10

14

15

20

25

25

30

70

X

ALL DIMENSIONS IN mm