THE OPEN UNIVERSITY OF SRI LANKA
FACULTY OF ENGINEERING TECHNOLOGY
BACHELOR OF TECHNOLOGY – LEVEL 05
MEK 5201 – COMPUTER AIDED DRAFTING AND MODELING
FINAL EXAMINATION – 2009/2010
DATE : 09th March 2010
DURATION : THREE HOURS



INSTRUCTIONS

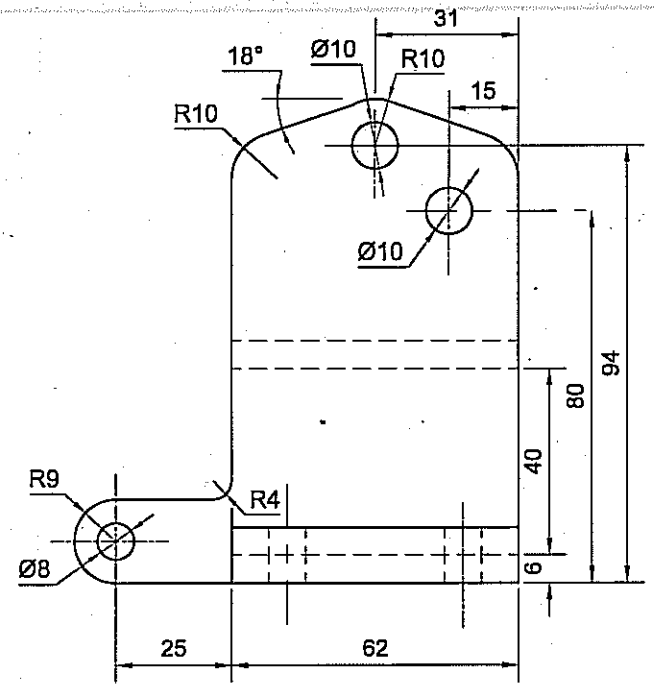
1. *Read the question carefully before you start answering it.*
2. *Clarify from the supervisor / invigilator in your examination hall if you have doubts.*
3. *Use the floppy disc provided to save drawings.*
4. *Draw the title block, symbol etc. for answers.*
5. *Save drawings periodically in the floppy disc to prevent data loss.*
6. *Do not write your name.*
7. *Write your index number on the floppy disc.*
8. *Drawings saved in the floppy disc are considered as the final answer.*
9. *Assume any missing dimension.*

Question 01.

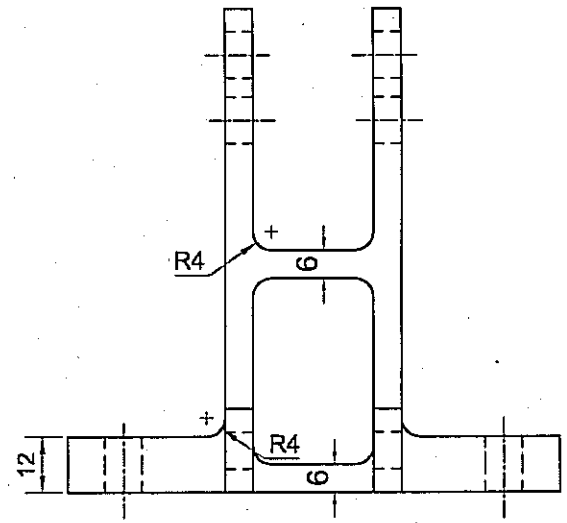
(a) Generate the solid model of the object given in figure Q 01.

i. From the solid model, generate the front elevation and the plan to a scale of full size in first angle projection.

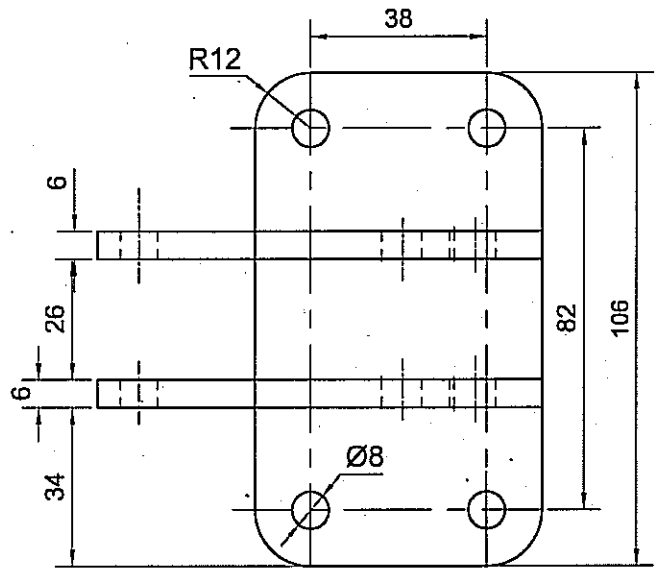
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FRONT ELEVATION



END ELEVATION



PLAN

All Dimensions in mm

Fig. Q1