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The Open University of Sri Lanka
Faculty of Engineering Technology

Study Programme	:	Diploma in Technology/Bachelor of Technology (Engineering)
Name of the Examination	:	Final Examination
Course Code and Title	:	**MEK5201 – Computer aided drafting & modelling**
Academic Year	:	2014/15
Date	:	26-08-2015
Time	:	9.30 – 12.30hrs
Duration	:	3 hours

General instructions

1. Read the question carefully before you start answering it.
2. Clarify from the supervisor/invigilator in your examination hall if you have any doubts.
3. Draw the standard cage and fill the title cage clearly 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.

Q1.

(a) Draw the solid model of the object given in figure Q1 using **AutoCAD software**.

(b) From the solid model drawn in (a) above, **generate** the following views to a scale of full size **in first angle projection.**

i) **Front elevation** of the object looking in the X direction

ii) **End elevation** looking from right

iii) **Plan**

Note :–

a) **Start a new drawing** and create layers selecting colors, setting line types and line weights to entities that you are drawing.
b) Dimension the views properly.
c) Prepare the Standard Cage and Title Block.
d) Prepare your answer script in a Layout on A-2 sized paper.
e) Print the drawing as A-2 sized PDF.
f) **Marks are given for the approach, organization of the drawing, overall view, setting of dimension styles, titles and the Standard cage.**

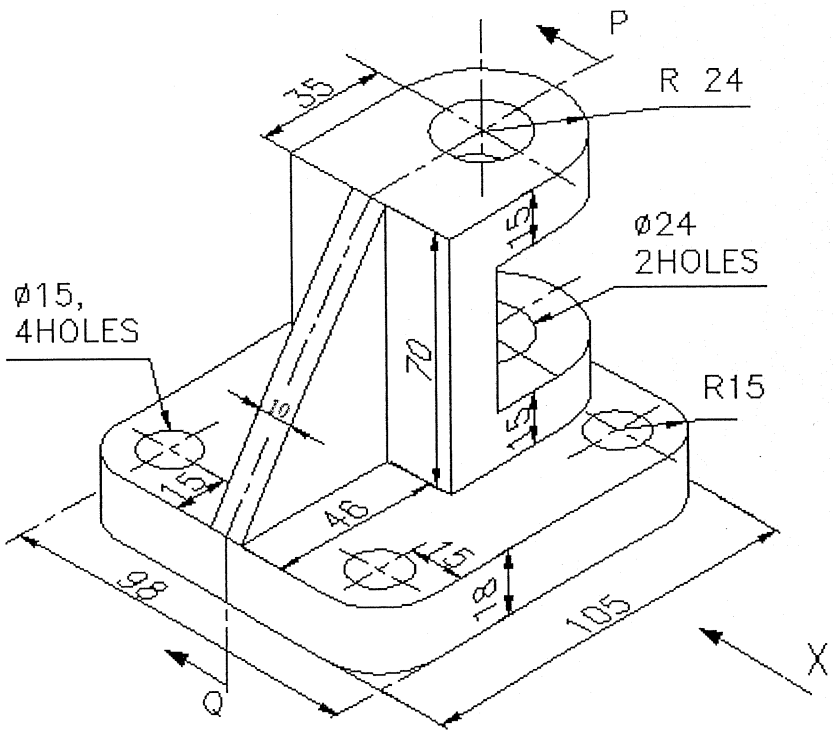


Fig. Q1

All dimensions are in millimetres