The Open University of Sri Lanka
Faculty of Engineering Technology

Study Programme	:	Bachelor of Technology Honours in Engineering
Name of the Examination	:	Final Examination
Course Code and Title	:	**MEK5201 – Computer Aided Drafting & Modelling**
Academic Year	:	2015/16
Date	:	05-12-2016
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 block clearly for your answer in part(b)
4. You are required to use the format of the title block given in annex 01
5. **Write down only the index number on the title block.**
6. Save and name your drawing by your index number in the folder given by the supervisor/invigilator. Save drawings periodically to prevent data loss.
7. Do not save the file with your name.
8. The drawing saved with the index number in the given folder is considered as the final answer.

Q1.

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

(40 marks)

(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 of the **view**

iii) **Plan**

(60 marks)

- Select the most suitable paper size for your drawing and prepare your answer script in a Layout. Dimension the drawing
- Write subtitles and fill the title block.
- Create the PDF file of the drawing.

Note:–

a) **Start a new drawing** and create layers selecting colors, setting line types and line weights to entities that you are drawing.

b) **Marks are given for the approach, organization of the drawing, setting of dimension styles, sub titles, the Standard cage and Title block.**

c) **You are required to generate views for part (b) using the solid model drawn in part (a).**

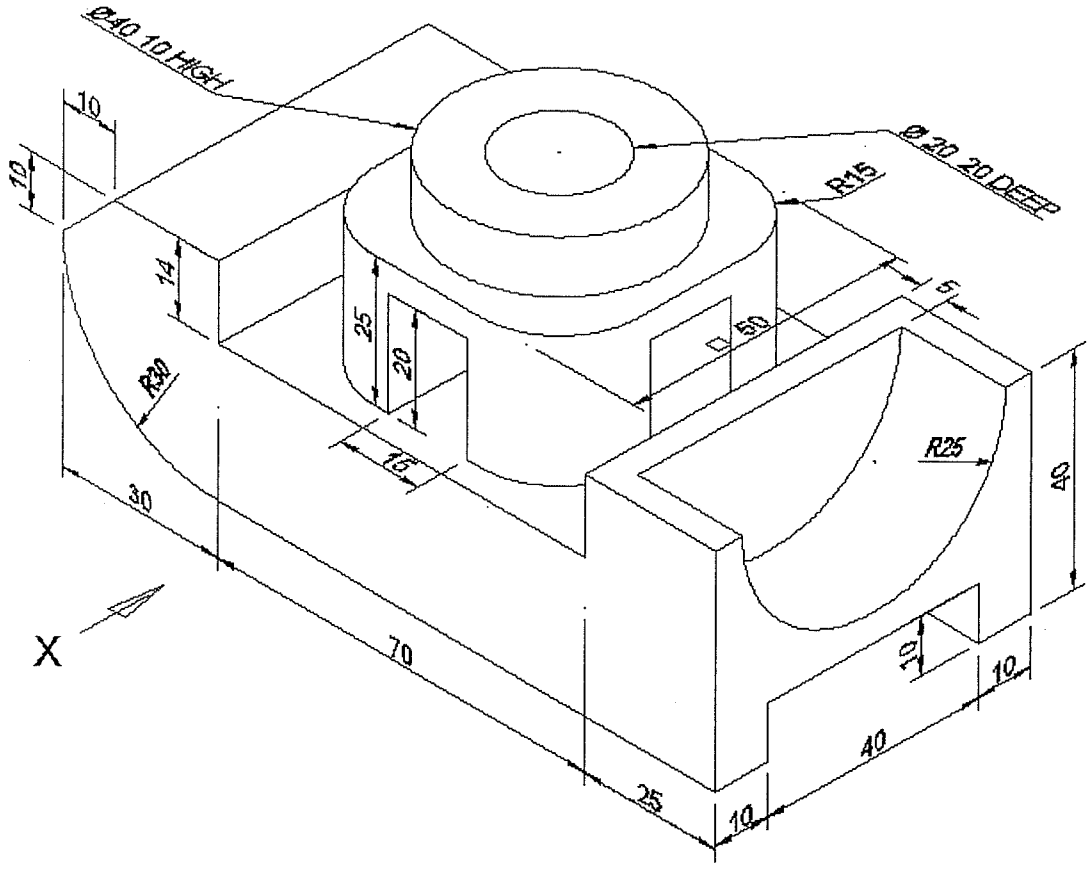


Fig. Q1

All dimensions are in millimetres

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ANNEX 01

