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	:	2013/14
Date	:	12-08-2014
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 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) Construct the solid model of the object given in figure Q1 using **AutoCAD software**.

(b) From the solid model, **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 :–

Paper size and scale are to be selected according to your preference.

Prepare the **cage** for the drawing accordingly.

- Title of the drawing should appear as 'FINAL EXAMINATION'.
- Index number completion should be included clearly.
- Projection symbol should appear on the lower right corner of the cage.
- You are free to include any other information in the cage as you see fit.

Apply dimensions and text as necessary.

Marks are given for the approach, organizing the drawing, overall view, dimension style settings, main title, sub titles and the standard cage.

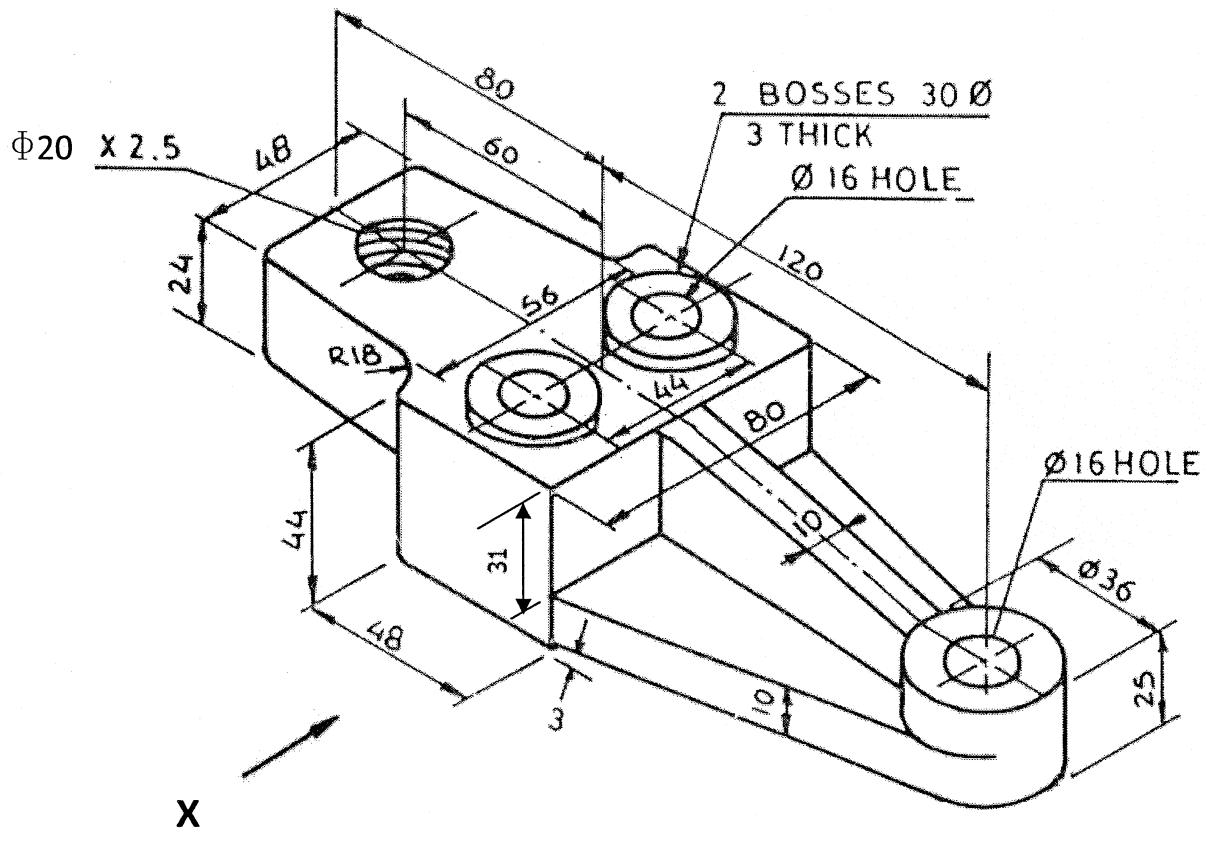


Fig. Q1

All dimensions are in millimetres