# The Open University of Sri Lanka
# Faculty of Engineering Technology

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| Study Programme | : Bachelor of Technology Honours in Engineering |
| Name of the Examination | : Final Examination |
| Course Code and Title | : **MEK 5201 – Computer Aided Drafting & Modelling** |
| Academic Year | : 2016/17 |
| Date | : 27th, November, 2017 |
| Time | : 9.30 hrs.-12.30 hrs. |
| Duration | : 3 hours |

**General Instructions**

1. Name your final drawing by your index number and save in the pen drive given by the supervisor / Invigilator.
2. Save drawings periodically to prevent data loss
3. Drawings saved in the pen drive are considered as the final answer..
4. Clarify from the supervisor / Invigilator in your examination hall if you have any doubts.

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**Q1.**

(a). Construct the solid model of the object described by **Figure 01** and **Figure 02** using **AutoCAD software.** **60 Marks**

(b). From the solid model, generate the following views to a scale of full size in first angle projection. **40 Marks**

i. Front elevation of the object
ii. End Elevation projected to the right of view (a)
iii. Plan view

**Note:-**

- All dimensions are in millimetres and the drawings are not in the actual scale.
- Radii of casting curves may be taken as 3 mm unless otherwise specified.
- Paper size and scale are to be selected according to your preference. Prepare the cage for the drawing accordingly.
- Title of the drawing should be appear as 'FINAL EXAMINATION'.
- Projection symbol should appear on the lower right corner of the cage.
- Name views, show hidden details and indicate major dimensions
- **Marks are given for the approach, organization of the drawing, overall views, setting of dimension styles, titles and the Standard cage.**
- Assume any missing dimensions
- Do not write your name.
- **Write down your index number in the title cage.**

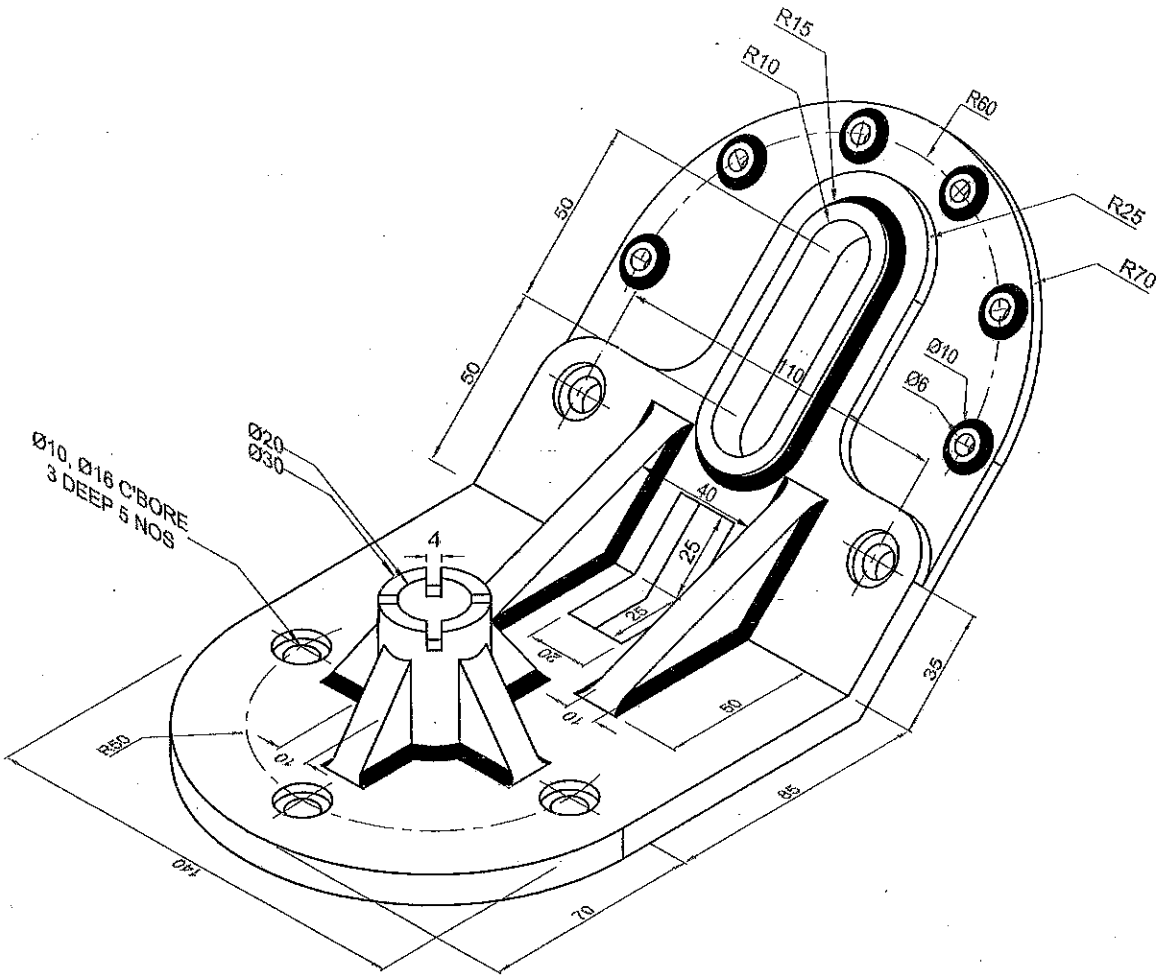



FIGURE 01

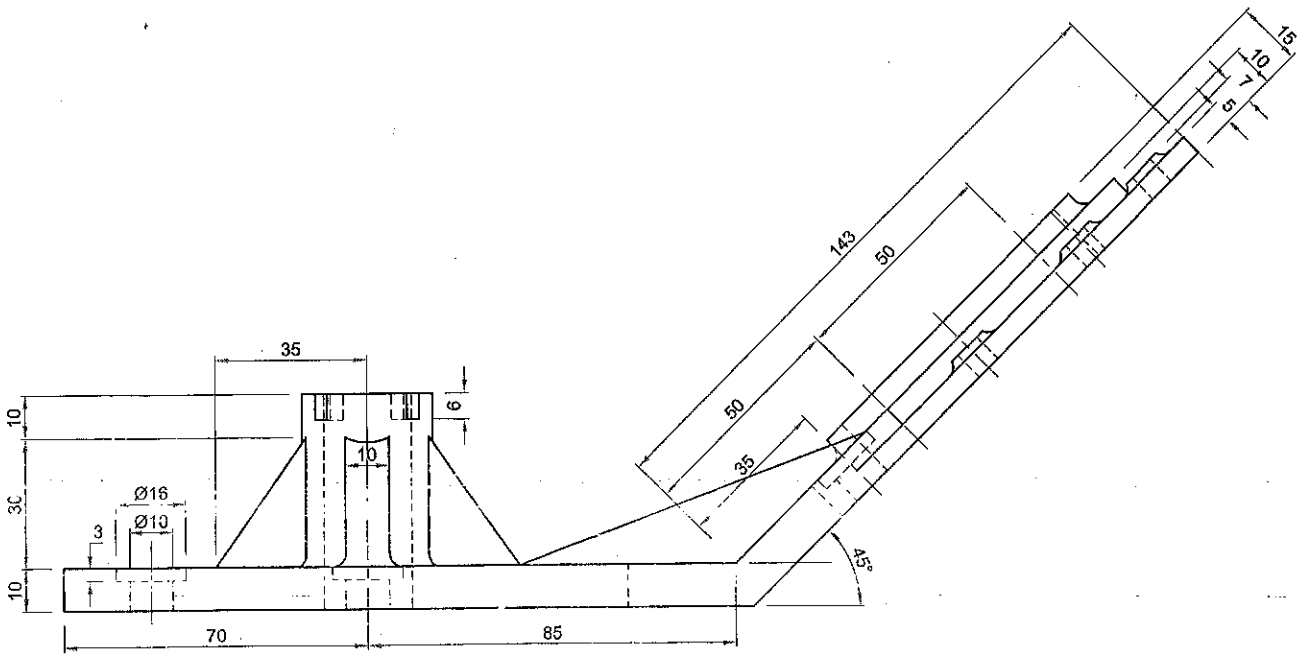



FIGURE 02