

CADD ET0085 – 2D-PRACTICE DRAWING INSTRUCTIONS

Students are required to draw to details with **exact dimensions** given in the Practice drawing.

The students shall set **appropriate limits, border, title block, dimensions, text and linetypes**.

Insert the **6 frequently used toolbars** in AutoCAD drawing to draw proficiently:
Draw, Modify, Draw Order, Dimension, Layers & Properties.

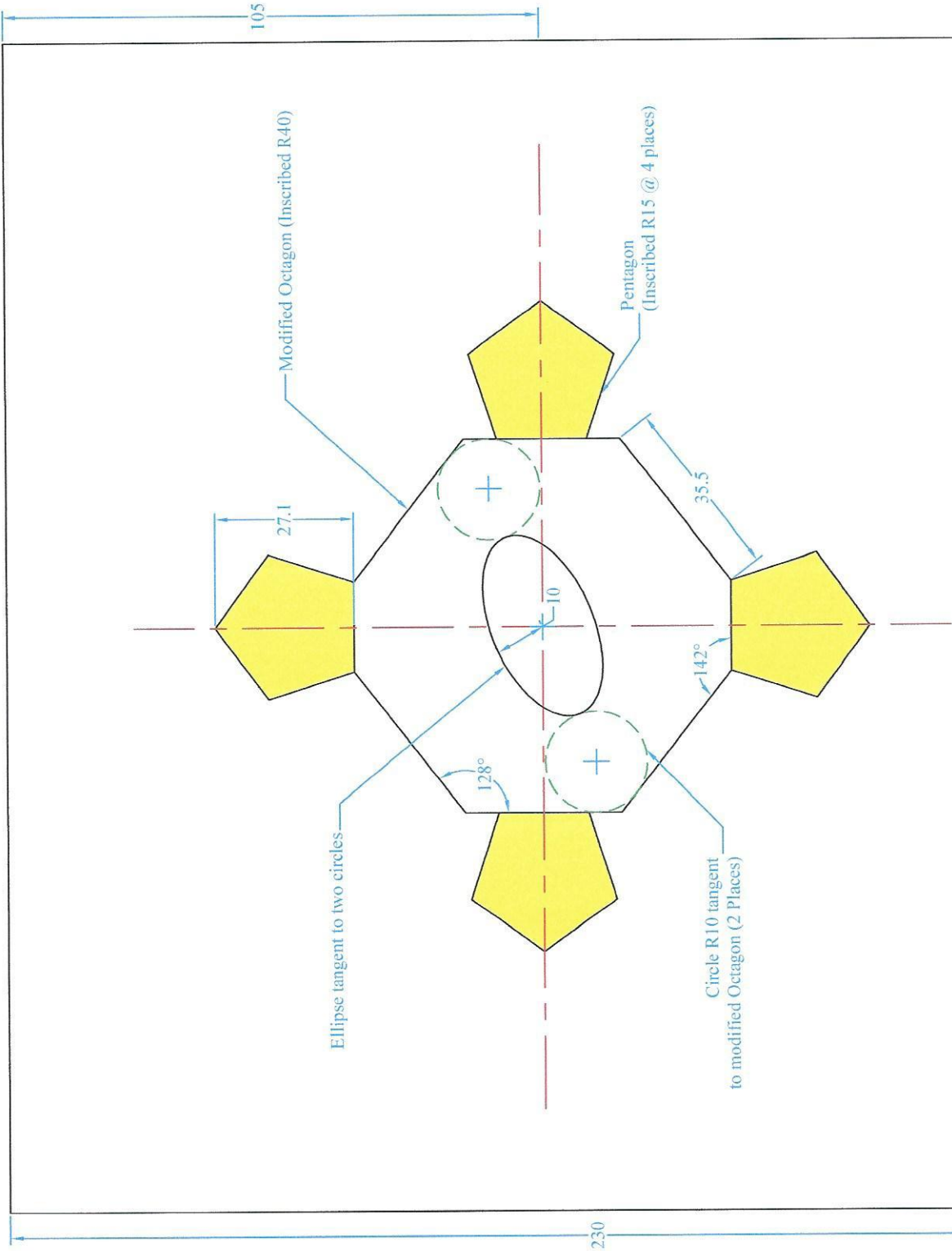
8 DRAWING SETTINGS:

- a) **Paper Limits = 250mm x 250mm**
Border size = 10mm from edge of paper limits
Title block = dimensions as shown in layout
- b) **Text Font shall be Times New Roman, Text height = 10 mm for large font
5 mm for small font**
- c) **Linetype Scale (LTS) = 0.5**
- d) **Overall Dimension Scale (Dimscale) = 1.0**
- e) **Set Layers as shown below:**
Default “0” (colour white) shall be use for the object, title block & border.
Dimensions shall be drawn with colour ‘Cyan’.
Centre line shall be drawn with colour ‘Red’.
Hidden line shall be drawn with colour ‘Green’.
Hatch shall be drawn with colour ‘Yellow’.
Text shall be drawn with colour ‘Magenta’.

Remember to set the following too namely:

- f) **Format→Dimstyle (See BB→Learning Resources→LAB→ UNIT 1)**
- g) **Activate Grid mode ON (F7), Snap Mode ON (F9), Object Snap (F3) in Status Toolbar and**
- h) **Snap Mode (Click arrow down)→Drafting settings in Status Toolbar:**
Snap & Grid Setting Tab:
 - **Snap & Grid X & Y Spacing = 5mm**
 - **Grid Style = 2D Model Space**
 - **Grid Behaviour = Uncheck all the boxes****Object Snap tab:**
 - **Check the relevant boxes = Endpoint, Midpoint, Centre, Quadrant, Intersection, Extension, Perpendicular and Nearest.**

With these settings completed, students can now start drawing the two 2D Practice drawings.



SPEAKER STAND

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