CADD ET0085
ISOMETRIC & ORTHOGRAPHIC PRACTICE DRAWING INSTRUCTIONS

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

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 and Properties.

8 DRAWING SETTINGS:
a) **Paper Limits** = **320mm x 340mm**
   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** = **5 mm**
c) **Linetype Scale (LTS)** = **0.5**
d) **Overall Dimension Scale (Dimscale)** = **1.0**
e) Set **Layers** as shown below:
   Dimensions shall be drawn with colour **'Cyan'**.
   Centre line shall be drawn with colour **'Red'**.
   Hidden line shall be drawn with colour **'Green'**.
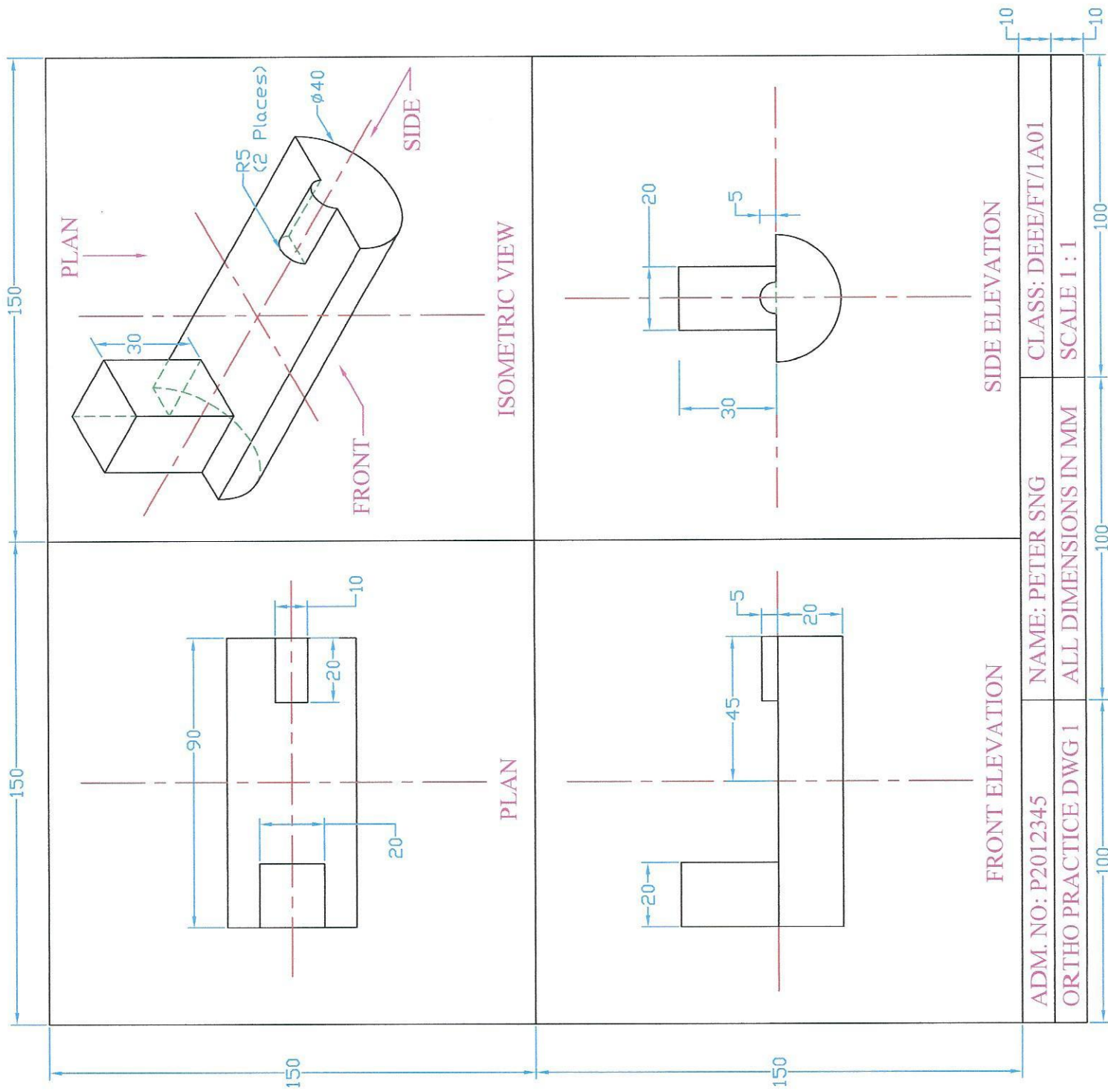   **Text** shall be drawn with colour **'Magenta'**.

Remember to set the following too namely:
f) Format→**Dimstyle (See BB→Learning Resources→LAB→ UNIT 1)**,
g) Activate **Grid, Snap and Object snap** icons in Status Toolbar and
h) **Snap setting (Click arrow down)→Drafting setting** 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 Iso-Ortho Practice drawings.

PLAN

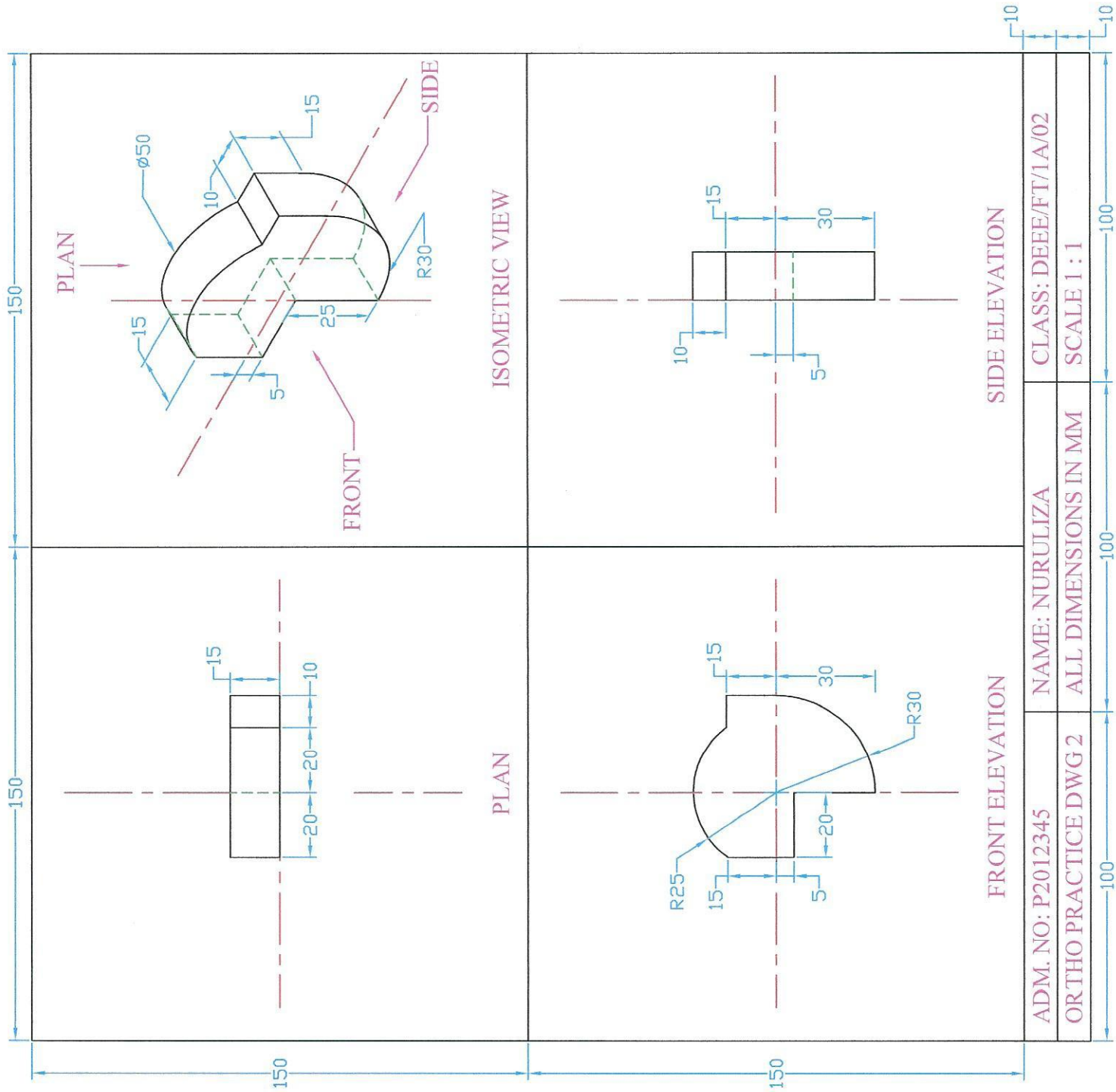## ISOMETRIC VIEW

R5
(2 Places)

ø40

SIDE

FRONT

30

FRONT ELEVATION

PLAN

90

150

10

20

20

SIDE ELEVATION

20

5

30

PLAN

45

5

20

20

150

150

150

10

10

100

100

100

100

PLAN

ø50

15

10

15

5

25

R30

ISOMETRIC VIEW

FRONT

SIDE

PLAN

15

10

20

20

20

PLAN

FRONT ELEVATION

15

30

R30

R25

15

20

5

SIDE ELEVATION

15

30

10

5

150

150

150

150

10

100

100

10

100

100

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ORTHO PRACTICE DWG 2	ALL DIMENSIONS IN MM	SCALE 1 : 1