4005

BOARD DIPLOMA EXAMINATION,(C-14)
MARCH /APRIL-2019
FIRST YEAR (COMMON) EXAMINATION

ENGINEERING DRAWING

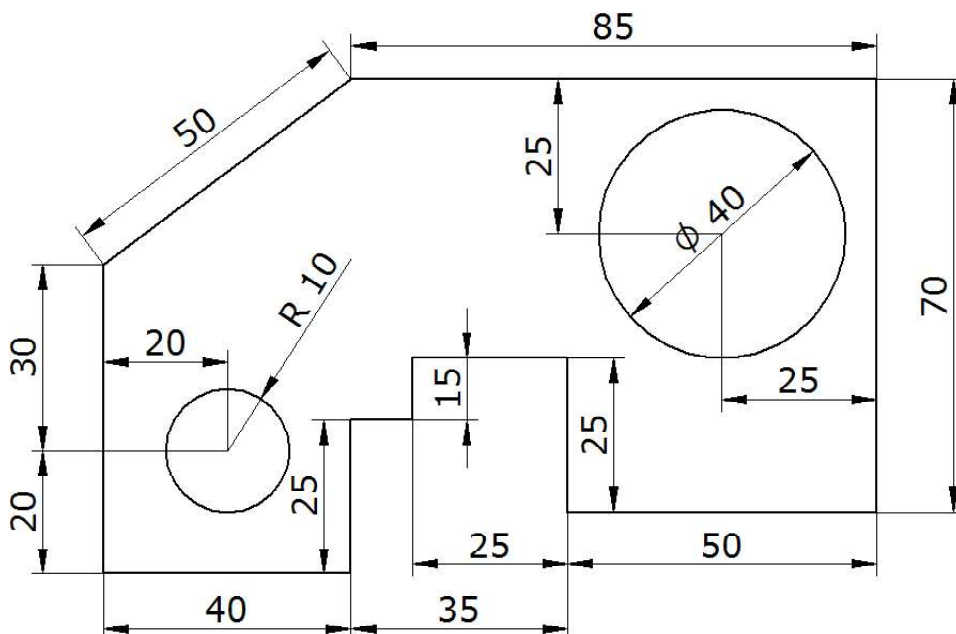Time: 3 Hours   Max. Marks: 60
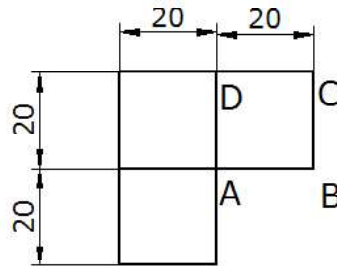
PART -A

4x5=20M

Instructions: 1) Answer **all** questions
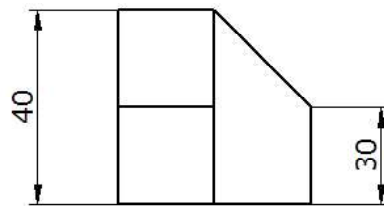2) Each question carries **five** marks
3) All the dimensions are in mm.
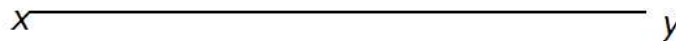
1) Write the following in single stroke vertical letters of size 10mm

TECHNICAL EDUCATION

2) Redraw the following figure and dimension it, as per SP-46-1988.

*3) A stone is thrown from the ground level, It reaches a height of 40 meters and falls on the ground at a distance of 80 meters from the point of projection. Draw the path of the stone.

4) Draw the auxiliary view of the sloping side of the object whose front view and top view are given in the figure below.
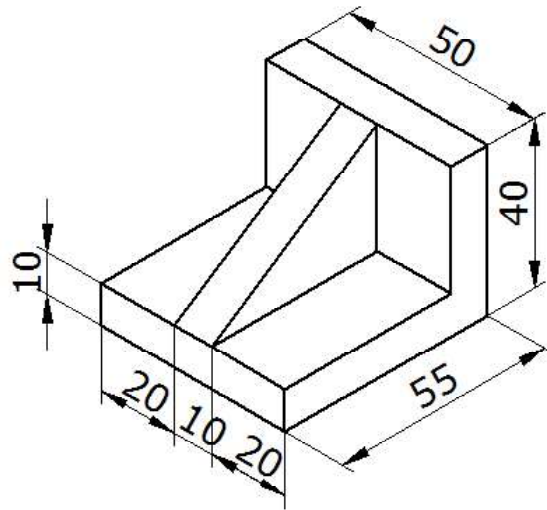
Front view

Top view

PART-B

4x10=40M

Instructions : 1) Answer any **four** questions
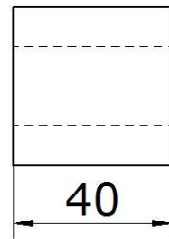2) Each question carries **ten** marks
3) All the dimensions are in mm.

5) Construct an ellipse with major and minor axes 120mm and 70mm respectively by concentric circles method.

6) A hexagonal pyramid side of base 25mm and height 50mm lies with one of its triangular faces on the HP and its axis is parallel to VP.
Draw its projcetions.

7) A cylinder of base diameter 40mm and height 60mm rests on its base on HP . A plane perpendicular to VP and inclined at 30^0 to HP cuts it through a point 30mm from base on the axis. Draw the front view, top view and true shape of section.

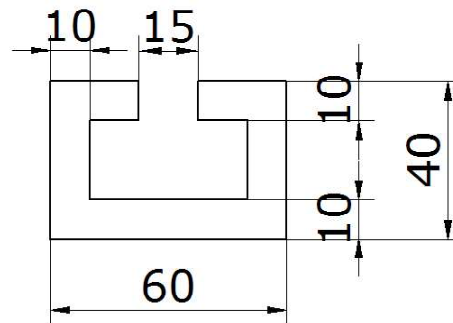*8) Draw the front view, top view and left side views of following object shown below.

9) Draw an isometric drawing of an object from the given orthographic views.

RIGHT SIDE VIEW   FRONT VIEW

10) Draw the development surface of pentagonal pyramid of base side 25 mm and height 60mm.

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