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PESIT Bangalore South Campus

Hosur Road (1km before Electronic City), Bengaluru -560 100

Department of Basic Science and Humanities

CONTINUOUS INTERNAL EVALUATION TEST -3

Date : 16/5/2018

Marks:60

Subject &Code: Computer Aided Engineering Drawing - 17CED24

Section: H

Name of faculty : Megha Anand S A

Time :10.00 am to 11.30 pm

Note: Answer any one question from each part.

PART 1

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|----------|----------|---|-----------|
| 1 | a | Draw isometric projection of solids formed by a frustum of cone and co-axial frustum of pentagon pyramid. The lower frustum of cone is of 80mm base diameter, 60mm top diameter and height 25mm. the upper frustum is of 30mm side of base, 20mm side of top face and height 40mm. | 30 |
| 2 | a | A hexagonal pyramid, base sides 25mm and height 60mm, is resting with its base on HP and an edge of base inclined at 40° to VP. It is cut to the shape of a truncated pyramid with the truncated surface indicated in the front view at a point on the axis 20mm from apex and inclines at 40° to XY. Draw the projections and show the development of the lateral surface of the remaining portion of the pyramid. | 30 |

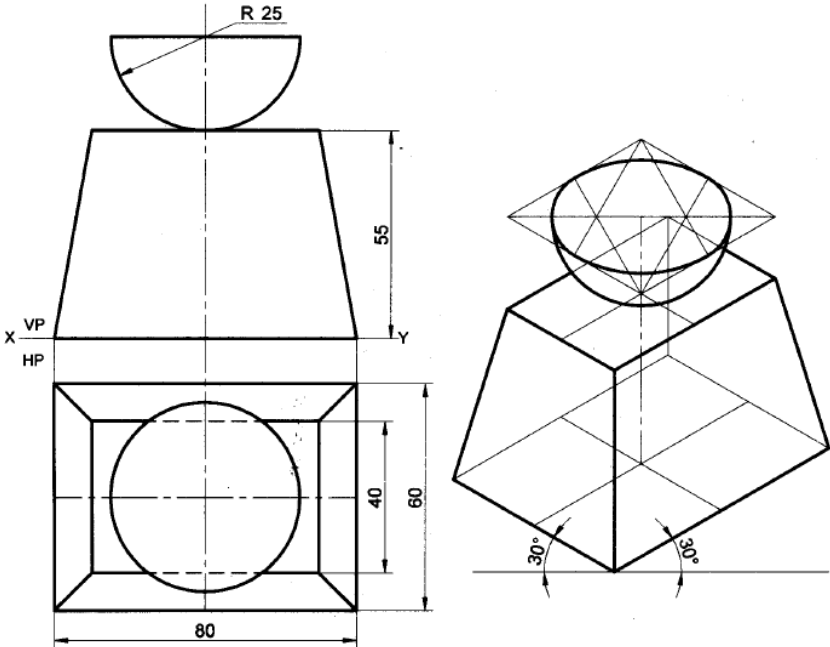
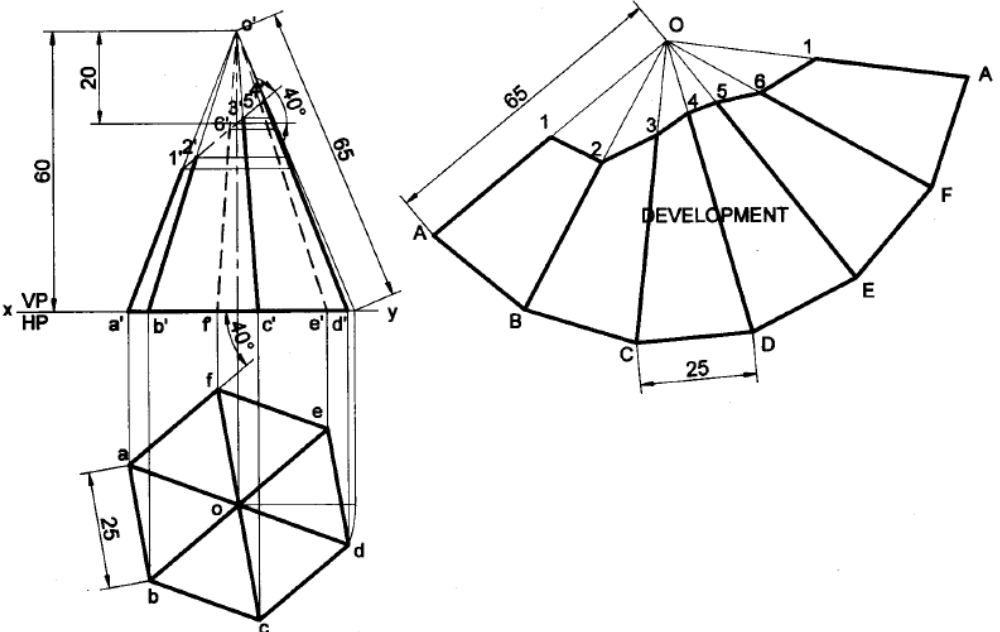
PART 2

- | | | | |
|----------|----------|--|-----------|
| 3 | a | A square pyramid of base side 40mm and height 70mm rests symmetrically on a cube of edge 50mm, which itself is placed on a cylinder of diameter 80mm and thickness 30mm. Draw the isometric projection of the solids, if the axes of the three solids are in common line. | 30 |
| 4 | a | A cube of sides 40mm is resting on HP with its base on HP such that one of its vertical faces is inclined at 30° to VP. It is cut by a section plane perpendicular to VP, inclined to HP at an angle 45° and passes through the midpoint of axis. Draw the development of the lower lateral surface of the cube. | 30 |

SCHEME AND SOLUTION – III INTERNAL TEST

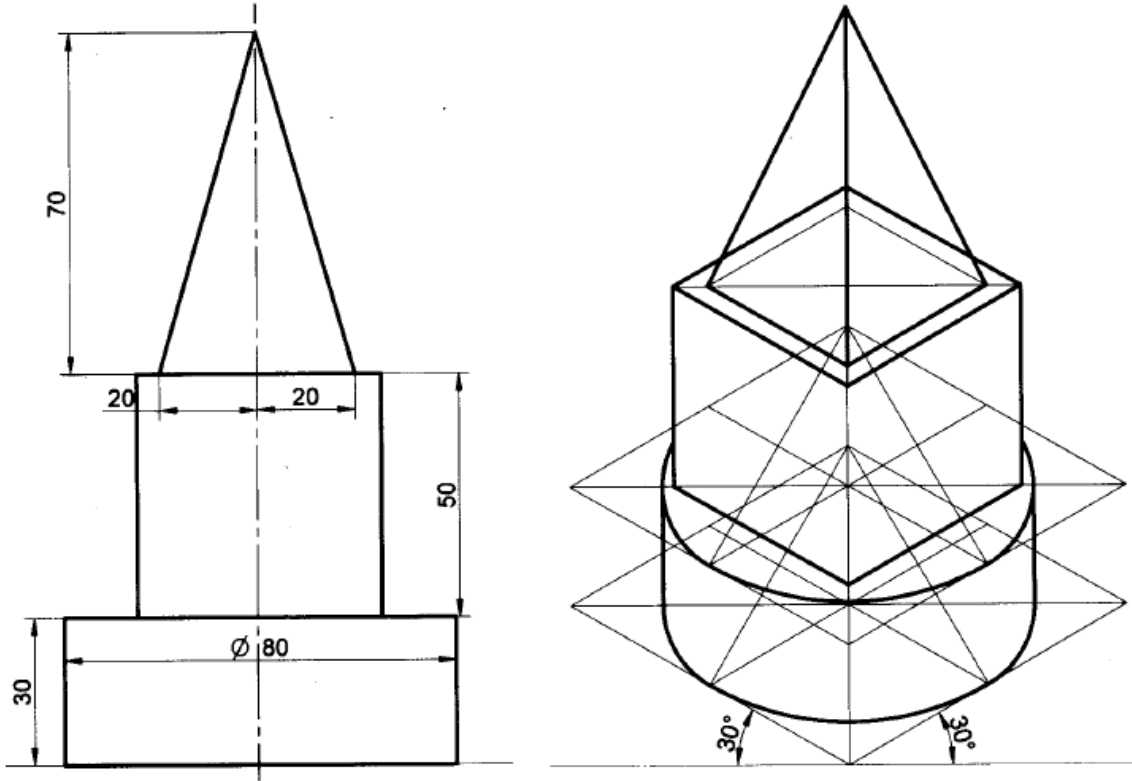
Subject : Computer Aided Engineering Drawing
Sub. Code : 17CED24
Name of the faculty : Megha Anand S A

Semester: II
Section: H

Sl.no	Part A	marks
1(a)		30
OR		
1(b)		30

PART B

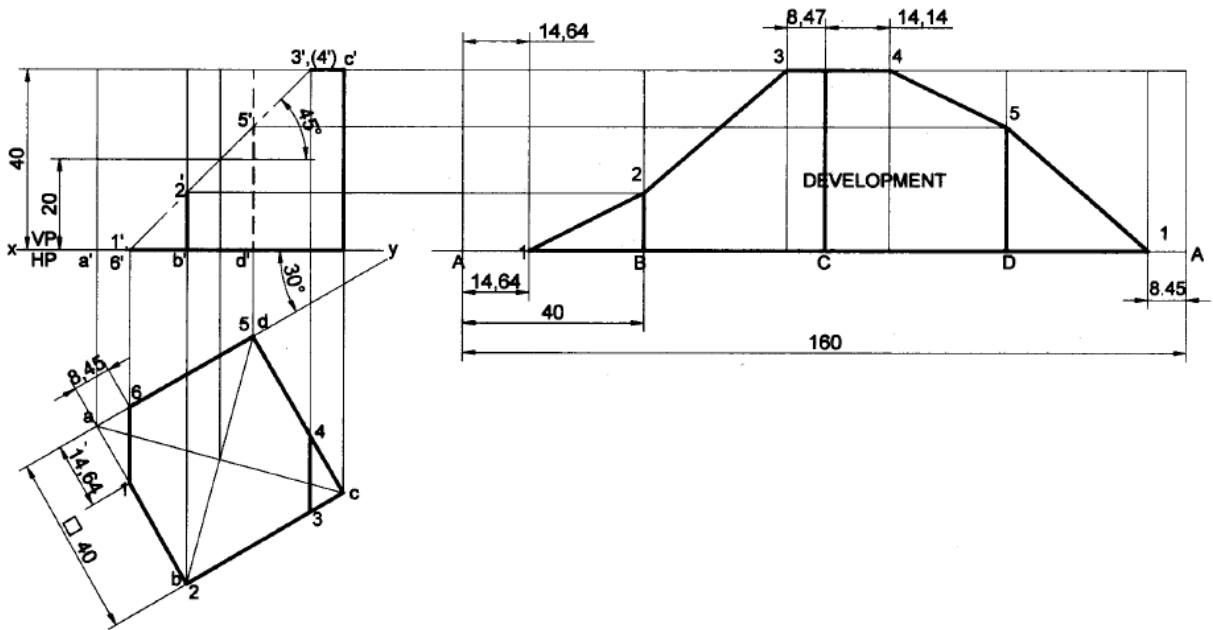
2(a)



30

OR

2(b)



30