Government College of Engineering Kannur

Name : Sanjeeb J

Roll No. : 60

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Series Exam 1

Ist Semester

GMEST103 - Engineering Graphics and Computer Aided Drawing

CS 2K24

Total Mark: 30

Total Time: 1 Hrs : 30 Mins

Course Outcome (CO)	
CO1	Understand the projection of points and lines located in different quadrants
CO2	Prepare Multiview orthographic projections of objects by visualizing them in different positions

No.	Questions	Marks	CO
1.	A line AB 70 mm long has its end A 20 mm above HP and 25 mm in front of VP. The end B is 40 mm above HP and 60 mm in front of VP. Draw the projections of AB and determine its inclinations with HP and VP. Locate its traces	15	CO1
	OR		
2.	The end projectors of a line PQ are 80 mm apart. P is 60 mm below HP and 40 m in front of VP. Q is 75mm above HP and 30 mm behind VP. Draw the projections of the line PQ. Determine the true length and inclinations of the line with HP and VP.	15	CO1
3.	A hexagonal prism, side of base 30 mm and height 65 mm is resting on an edge of base on HP such that the axis of the prism is inclined 60 degree to HP and the edge on which it is resting on HP is inclined 40 degree to VP. Draw its projections	15	CO2
	OR		
4.	Draw the projections of a pentagonal pyramid 40 mm side and axis 70 mm long when it is resting on one of its corners of the base on HP. The axis of the pyramid is inclined 30 degree with HP and the top view of the axis makes an angle of 45 degree with the XY line	15	CO2

Government College of Engineering Kannur

Name : .....

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Series Exam 2

Ist Semester

GMEST103 - Engineering Graphics and Computer Aided Drawing

CS 2K24

Total Mark: 30 **Total Time: 1 Hrs : 30 Mins**

Course Outcome (CO)	
CO3	Plot sectional views and develop surfaces of a given object
CO4	Prepare pictorial drawings using the principles of isometric projection

PART A

No.	Questions	Marks	CO
1.	A hexagonal prism of base side 30 mm and axis length 70 mm rests on its hexagonal base on the HP with two base sides parallel to the VP. It is cut by a plane perpendicular to the VP and inclined at 30° to the HP. The cutting plane meets the axis at 30 mm from the top. Draw the front view, sectional top view and the true shape of the section.	15	CO3
	OR		
2.	A cone of base diameter 40 mm and slant height 60 mm is kept on the ground on its base. A section plane perpendicular to VP and inclined at 45° to the HP cuts the cone through the midpoint of the axis. Draw the development of the bottom lateral surface.	15	CO3

PART B

No.	Questions	Marks	CO
3.	Draw the isometric projection of a hexagonal pyramid with hexagonal side of 30 mm and height 65 mm. The pyramid is resting on its base on HP with two sides of the base perpendicular to VP	15	CO4
	OR		
4.	A square pyramid of square side 30 mm and height 50 mm is resting centrally on top of a cylinder of radius 50 mm and height 40 mm. Draw the isometric view of the combination	15	CO4