IMS ENGINEERING COLLEGE	IMSEC/QF/48		
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Tutorials/Assignments/Quizes	Issue Date: 1 May 2010		
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Assignment 5

- Q1. Derive a general form of 3D rotation about:
 - a. X-axis
 - b. Z-axis
- Q2. Derive oblique parallel projection and perspective projection matrices.
- Q3. Find the coordinates of a pyramid whose coordinates are A(0,0,0), B(1,0,0), C(0,1,0) and D(0,0,1) after mirror reflection with respect to plane passing through
 - a. Origin
 - b. about point C(0,1,0)
- Q4. Using the origin as the centre of projection, derive the perspective transformation onto the plane passing through the point $P_0(x_0,y_0,z_0)$ and having normal vector N = n1i + n2j + n3k.

	Q1	Q2	Q3	Q4
СО	2,3	2,3	2,3	2,3
РО	1,2,3,4,12	1,2,3,4,12	1,2,3,4,12	1,2,3,4,12
PSO	1,2,4	1,2,4	1,2,4	1,2,4