Computer | 15 | 2 | 2023 Paper / Subject Code: 50925 / Computer Graphics



(Time: 3 Hours)		ks: 80	
N.B:	 Question number 1 is compulsory. Attempt any three out of the remaining. Assume suitable data if necessary and justify the assumptions. Figures to the right indicate full marks. 		
Q1 A B C D	What is computer graphics and discuss its representative uses Explain traditional animation techniques	[5] [5] [5]	
Q 2 A	Given a triangle ABC with coordinates A (0, 0), B (10, 0), C(0,10). Apply following transformations in sequence i. Translate the triangle by translation parameters (20, 30) units. ii. Rotate the triangle by 90°. Fine the new coordinates of the triangle. Explain Cohen Sutherland line clipping method with suitable example	[10] [10]	
Q 3 A B	Derive midpoint ellipse drawing algorithm with suitable diagrams Discuss principles of animation.	[10] [10]	
Q4 A	Try to a window-10-	[10] [10]	
Q 5	What is aliasing effect? Explain antialiasing techniques Calculate all the points on the line from point A(0,0) to point B(8,10) using DDA line drawing method.	[10] [10]	
Q 6	Derive the 2D transformation matrix for scaling with respect to fix point. Explain depth buffer method with suitable diagrams	[10] [10]	

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