Reg. No.:					

Question Paper Code: 47202

B.E./B.Tech. DEGREE EXAMINATION, DEC 2020

Seventh Semester

Computer Science and Engineering

14UCS702 - INTERACTIVE COMPUTER GRAPHICS

(Regulation 2014)

Duration: 1.15 hrs Maximum: 30 Marks

PART A - $(6 \times 1 = 6 \text{ Marks})$

(Answer any six of the following questions)

		`	0 1					
1.	Describe how pictures are stored in Raster scan system							
	(a) Intensity value		(b) Line commands					
	(c) Pixel commands		(d) Image Resolution					
2.	is an exallocate	ample of filling ob	oject interiors using the od-	d-even rule to				
	(a) Scan-line fill algo	orithm	(b) Parallel line fill algorithm					
	(c) Frame-buffer fill	algorithm	(d) Mid-point fill algorithm					
3.	A composite transformation matrix can be made by determining the matrix of the individual transformation.							
	(a) Sum	(b) Reflection	(c) Difference	(d) Product				
4.	The region against w	e region against which an object is clipped is called a						
	(a) Clip Window	(b) Boundary	(c) Enclosing rectangle	(d) Clip square				
5.	The matrix formulat							
	(a) $P'=T+P$ (b)	o) P'=S*P	(c) P'=R*P	(d) $P'=dx+dy$				
6.	we can take a view of an object from different directions and different distances							
	(a) Projection	(b) Rotation	(c) Translation	(d) Scaling				

7.	uses color descriptions that have a more intuitive appeal to a user.							
	(a) RGB color Model	((b) CMY Color Model					
	(c) YIQ Color Model	(d) HSV Color Model					
8.	3can be produced by interpolating shading patterns across the polygon surfaces to eliminator reduce the presence of polygon edge boundaries.							
	(a) Rasterizing	(b) Rendering (c)Smoothing	(d)None				
9 refers to any type of application or presentation that involves more than one type of media, such as text, graphics, video, animation, and sound.								
	(a) An executable file	(b) Desktop publishing	(c) Multimedia	(d) Hypertext				
10.	The GIF standard is lim							
	(a) 32-bit	(b) 24-bit	(c) 16-bit	(d) 8- bit				
		PART – B (3 x 8	= 24 Marks)					
	(4	Answer any three of the	following questions	s)				
11.		(8)						
	Display processor.							
12.	. Describe the two dimensional basic transformations							
13.	. What are quadric surfaces? Explain							
14.	. Discuss the HLS and RGB color models in detail							
15	Explain the various common authoring metaphors							