B.Tech. SEM -IV (Computer) 2014 Course (CBCS): SUMMER - 2019

SUBJECT: COMPUER GRAPHICS AND VISUALIZATION

Day: Date:		aturday 5/05/2019	S	S-2019-2603			Time: 10.00 AM TO 01.00 PM Max. Marks: 60			
N.B:	1) 2) 3) 4)	Figures to Assume s	ions are COI the right incurred the tright incurred to the country of the country	dicate FU if necessa	LL mar ry.		wed.			
Q.1		What are difference character 'A'.		cter gener	ration n	nethods? W	rite C code t	o generate	(10)	
					OR					
	a) b)	How to gener What is the graphics?						computer	(05) (05)	
Q.2		Explain Cohe example.	n Southerlar	nd out coo	de meth	od for line	clipping algo	rithm with	(10)	
		OR								
		What is Wintransformation		Viewport?	How	to perform	Window to	Viewport	(10)	
Q.3		transformation 1. Scale	iangle ABO ns on it, two units in 2 by 45 degre	x direction	and 2	units in y dii		following	(10)	
			, ,		OR					
									(10)	
Q.4		Explain follow i) Diffus ii) Specul	ving terms, e Illuminatio lar Reflection Source Illum	on 1			p		(10)	
		OR								
		,	llowing with ace algorithm r's algorithm	1	of exam	ple,			(10)	
Q.5		Discuss segnimplement seg		structure a	and ex	plain differ	ent data stru	actures to	(10)	
		OR								
		Define follow i) Morph ii) Virtual iii) Render	ing Reality ring						(10)	
Q.6		What are Fragenerating frag			fractal	line algori	thm can be	used for	(10)	
		OR								
		How to genera	ate Bezier cur *	rve? Comj	pare Be	zier curve w	ith B-spline c	urve.	(10)	

* * * * *