Total No. of Questions : 10]		SEAT No. :
P3529	[4959]-1137	[Total No. of Pages :2
B.E. (Information Technolo	ogy)
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		B.E.(Information Technology)	CLON
(201	ADVANCED GRAPHICS AND ANIMAT 12 Pattern)(Elective-III)(End Sem) (Semester	
		[Max. Marks: 70	
	1) 2) 3) 4)	Solve Q1 or Q2,Q3or Q4, Q5 or Q6, Q 7 or Q8, Q 9 or Q10 Figures to right indicate full marks. Neat diagrams must be drawn wherever necessary. Assume suitable data if necessary.).
Q 1)	a)	What is the importance of representing a curve in a	parametric form?[5]
	b)	Explain zero order, first order, and second order para detail.	ametric continuity in [5]
		OR	
Q2)	a)	Explain following quadratic surfaces.	[5]
		i) Sphere	
		ii) Torus	
	b)	What are sweep surfaces? Discuss different methods Surfaces.	of generating sweep [5]
Q 3)	a)	Explain in detail Spatial-partitioning representa decomposition.	tion along with its [5]
	b)	Write short note on "Constructive solid geometry"	[5]
		OR	
Q4)	a)	Derive the simple illumination model. Include the corambient and specular reflection.	ntribution of Diffuse, [5]
	b)	What are the various methods of retracing?	[5]

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Q5)	a)	Explain pBuffer rendering with respect to Open GL. [8]	3]
	b)	How Fog stage is implemented in Open GL pipeline? [8	3]
		OR	
Q6)	a)	Which are the Shadowing Techniques with respect to OpenGL? Explain brief.	in 3]
	b)	Write a short note on "GLUT" [8	8]
Q7)	a)	What is meant by Animation Language? Explain the types of animation languages with appropriate examples. [8]	n 8]
	b)	What is meant by key-framing, tweening and morphing?	8]
		OR	
Q8)	a)	Explain various animation techniques. [8	8]
	b)	Which are the different animation software's? Explain any one animation software in detail.	on 3]
Q9)	a)	Which are the different languages used in Virtual Reality? Explain is brief.	in 3]
	b)	What is the need of virtual reality? Explain with suitable example. [10])]
		OR	
Q10)) a)	Explain Flight simulation application and different virtual reality device used in it.	es B]
	b)	What is virtual reality? Explain in detail forms of virtual reality. [10])]

