B.E.Eighth Semester (Information Technology) (C.B.S.)

Gaming Architecture & Programming

P. Pages: 2 Time: Three Hours				* 0 5 4 2 9	_ WZ	NKT/KS/17/76 Max. Marks :	
	Note	es: 1. 2. 3. 4. 5. 6. 7.	All questions carry marks Solve Question 1 OR Que Solve Question 3 OR Que Solve Question 5 OR Que Solve Question 7 OR Que Solve Question 9 OR Que Solve Question 11 OR Que	estions No. 2 estions No. 6 estions No. 6 estions No. 8	2. 4. 5. 3. 10.		(
10	a)	Explain	games and it's principles.			0	4
0	b)	Describe	e development phases in g	ameplay.	((11200	10
				OI	100	9	
2.	a)	Describe	e game and hardware abstr	action.	150		7
	b)	Define 7	Гoken. Explain the concep	t of tokens b	y taking example.		7
3.	a)	Write in	brief "The State of the art	9			6
	b)	What are interacti		sues? Disci	uss core groups in software	factory and their	7
	(1)	(G)	9)	OI	₹	(1)	E
4.	a)	Explain	architectural styles in deta	il.		Q V	9
	b)	Explain	blue-sky research.		W/2)(0)	4
5.	a)	Explain	seven golden principles of	effective de	esign.		7
	b)	Describe	e five important aspects in	game devel	opment and the three lead b	alloons.	7
			10	OI			
6.	a)	Write no	ote on game platforms in d	etails.			7
	b)	Write no	ote on DirectX and OpenG	L.			7
7.	a)	Write no	ote on :			a E	8
))<		i) Nal	ked pointer	ii)	Smart pointer	(1))50,	
		iii) Vio	deo RAM	iv)	Memory alignment		

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1	b)	Explain popular source control software.	5			
9)		OR				
8.	a)	Explain working with keyboard concept in detail.	7			
	b)	Describe user interface components.	6			
9.	a)	Write note on:	6			
		i) Chroma key ii) Sprites				
	b)	Explain various graphics file format.	4			
	c)	Write tasks during the initialization phases.				
9	3	OR				
10.	a)	Write note on:	8			
		i) The Main loop.				
		ii) Nice Clean exit.				
	b)	What are the two methods of drawing text on screen and what are its advantages and disadvantages ?	5			
11.	a)	Define 3D middleware? Describe the popular 3-D engines currently in use?	7			
	b)	Write a short notes on 3-D graphics pipeline.	6			
	(0)	OR	K			
12.	a)	Explain data compression techniques.	6			
	b)	Explain resource cache & scene graph.	7			
