P4-Exam-May-11-56 Con. 2991-11.

(REVISED COURSE)

BE IT VIII (Per) Gerning dechitecture fleograming RK-4797

10

(0 Hausa)

Total Marks: 100

	(3 Hours)	[lotal Marks :]
N.	B.: (1) Question No. 1 is Compulsory	
	(2) Attempt any four questions from Q.Nos 2 to 7	
	(3) Assume suitable data if necessary.	
	(4) Figures to the right indicate full marks.	
1.	Write a program in C++ to capture the mouse and draw lines.	10
	b) What are Sprites and why are they used ? Write a basic Sprite class and explain the various properties in it. ?	10
2.	a) What are the phases in Gameplay development? Explain the process, people involved	10
	in each phase ?	
	b) Describe Blue -Sky research in detail	05
	c) Define Middleware? Describe the popular 3D engines currently in use?	05
3.	a) Explain in detail the Cleanup process to be followed during and after the game exit.	10
	b) What are tokens? Explain tokenization in Pong game specifying interaction matrix	10
	and the sequence of events that occur when a goal is scored.	
4,	(1) - 1년 ((1) 1일	05
	any four with examples.	17.15
	b) Discuss the seven golden principles of effective game design .	05
	c) Give a practical example of -	05
	i. Using Inheritance over Containment	
	Using Containment over Inheritance d) Describe the game build process	05
5.	Explain why game development has to be tier – based? Describe the application of	10
	Tier-based approach to architecture design?	
	b) What is Source Control? Explain in brief the different functionalities provided by	10
	Source Control System.	
6.	a) Explain the various platforms on which game can be deployed on? What are the Advantages and disadvantages of each of these platforms?	10
	 Describe the 3D graphics pipeline in detail. Explain the various inputs to this pipeline and the operations performed on it by graphics pipeline. 	10
7.	Write Short note on. (Any four);	20
	a. PeekMessage method	

b. Hard and soft architectures

e. Stack memory Vs Heap memory

c. Chroma Key d. Scene nodes

f. Audio Formats