

NATIONAL OPEN UNIVERSITY OF NIGERIA 14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS SCHOOL OF SCIENCE AND TECHNOLOGY MAY/JUNE 2012 EXAMINATION

CIT 635 Application Software Design and Multimedia

Time Allowed: 3hrs

Instruction: Answer any five (5) questions

1a. State the phases of the multimedia system development life cycle. (10

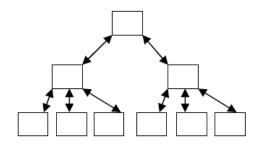
marks)

1b. What is the vital aspect to be borne in mind at the preliminary needs assessment stage?

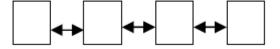
(2 marks)

1c. Identify and label the categories of design architecture below:

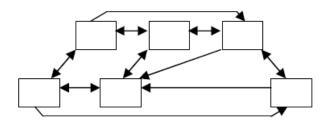
i.



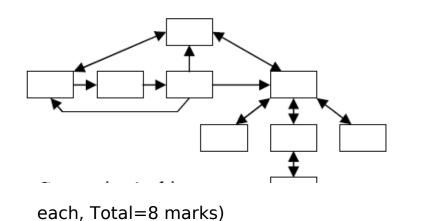
ii.



iii.



iv..



(2 marks

2a. Give a brief explanation of the following terms:

i. Frame)
ii. Animating) (5 marks each, Total=15)
iii. Rendering)

2b. Describe the concept of 'persistence of vision' (5 marks)

3a. Draw a block diagram, illustrating the various processes involved in the animation of images.

(18 marks)

3b. What is the significance video cor Application Software Design and M (2 marks)	•	
·	of 440 X 360 resolution has 32 bits per pixel; deo size of the SCAM video system that nes/s (15 marks) of digitization of video . (5 e by means of examples, any two facts to be dia. (10 marks) tion of four (4) essential considerations at the sessment stage. (8 marks) ponents of deliverables. (2 g delivery strategies using well labelled over) 5 marks (7 marks) five (5) main components, list these (8) of formatting and delivering messages in	
cialisionnis at 25 maines,5	(15 marks)	
4b. Explain the concept of digitization marks)	n of video . (5	
5a. Identify and describe by means o deduced from the concept of multimedia.		
·		
preliminary needs assessment sta	_	
5c. List any two (2) components of demarks)	eliverables. (2	
6a. Explain the following delivery strategies using well labelled diagrams:		
i. Direct changeover ii. Parallel running) 5 marks	
6b. A basic layout has five (5) main of components. (5 marks) 6c. State five (5) ways of formatting a multimedia (5 marks)	·	

7a. There are quite a number of standards used in video capturing and display,

list any two (2) of these formats. (4 marks)

- 7b. Write on five (5) work models in the user-centered design process. (10 marks)
- 7c. Outline three (3) main hardware requirements for capturing video images (6 marks)