



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

COURSE CODE: CIT735

COURSE TITLE: Application Software Design and Multimedia

TIME ALLOWED: 3hrs

INSTRUCTION: Answer any five (5) questions

QUESTIONS

- 1a. Give a brief explanation of the concept of digitization of video. (4 marks)
1b. If a sample of 440 X 360 resolution has 32 bits per pixel; establish the raw video size of the SCAM video system that transforms at 23 frames/s

(10 marks)

[Total = 14 marks]

- 2a. Identify and describe by means of examples any two facts that can be deduced from the Multimedia notion. (10 marks)
2b. List and briefly explain any two (2) components of **deliverables**. (4 marks)

[Total = 14 marks]

- 3a. Explain the following delivery strategies by means of well labelled diagrams:

- i. Direct changeover) 5 marks
ii. Parallel running) 5 marks

(10 marks)

- 3b. List any 4 components of a basic layout.

(4 marks)

[Total = 14 marks]

- 4a. Write on five (5) work models in the user-centred design process. (10 marks)
4b. State any 2 standards used in video capturing and display. (4 marks)

[Total = 14 marks]

- 5a. Give a brief explanation of the following terms:

:

- i. Frame)
ii. Animating) (4 marks each, Total=12)
iii. Rendering)

(2 marks)

- 5b. Give any 2 aspects of the 'loop of interaction'

[Total = 14 marks]

- 6a. Draw a block diagram, illustrating the various processes involved in the animation of images. (12 marks)

- 6b. Give a brief description of the Zoom User Interface

(2 marks)

[Total = 14 marks]

- 7a. List the phases of the multimedia system development life cycle. (10 marks)

- 7b. Specify the essential aspect to be borne in mind at the preliminary needs assessment stage. (4 marks)

[Total = 14 marks]