



NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS
MARCH/APRIL 2016 EXAMINATION

SCHOOL OF SCIENCE AND TECHNOLOGY

COURSE CODE: CIT735 **COURSE UNIT:** 3
COURSE TITLE: Application Software Design and Multimedia

TIME ALLOWED: 3 Hours
INSTRUCTION: Answer any five (5) questions.

1a. Based on your knowledge of Application Software Design and Multimedia, outline the steps you would adopt to change the colour of an object in an Adobe Flash application
(10 marks)

1b. State the key function of the following tools found on a document toolbar:

- i. Document Title
- ii. Validate Markup
- iii. File Management
- iv. Server Debug

(1 mark each, 1 x 4 = 4 marks)

[Total = 14 marks]

2a. Identify and describe by means of examples, any two facts to be deduced from the concept of multimedia.
(8 marks)

2b. List any two (2) components of **deliverables**.
(6 marks)

[Total = 14 marks]

3a. Explain the following delivery strategies using well labelled diagrams:

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

(Total = 10 marks)

3b. List and describe any two components of a basic layout in the visual design of a multimedia presentation. (4 marks)

[Total = 14 marks]

4a. State any 3 ways of formatting and delivering messages in multimedia (6 marks)

4b. Give a brief explanation of four (4) essential considerations at the preliminary needs assessment stage.

(8 marks)

[Total = 14 marks]

5a. List any two standards used in video capturing and display. (4 marks)

5b. Write on five (5) work models in the user-centered design process. (10 marks)

[Total = 14 marks]

6a. If a model of 540 X 360 resolution has 32 bits per pixel; determine the raw video size of the SCAM video system that transforms at 18 frames/s

(10 marks)

6b. Describe the notion of digitization of video in expert systems. . (4 marks)

[Total = 14 marks]

7a. Give a brief explanation of the following terms:

:

i. Frame (4 marks)

ii. Animating (4 marks)

iii. Rendering (4 marks)

7b. Describe the concept of 'persistence of vision' (2 marks)

[Total = 14 marks]