



**NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND, LAGOS
SCHOOL OF SCIENCE & TECHNOLOGY
JANUARY/FEBRUARY 2013 EXAMINATION**

Course Code: CIT 735 **Time:** 3hrs
Course Title: Application Software Design and
Multimedia
Course Credit Unit: 3

Instruction: Answer any five (5) questions

QUESTIONS

- 1a. Explain the concept of the coding toolbar. (10 marks)
- 1b. What is the full meaning of the acronym HTML? (2 marks)
- 1c. State the main features of AJAX (8 marks)
- 2a. Give a brief description of five (5) work models in the user-centered design process. (10 marks)
- 2b. Identify three (3) main hardware requirements for capturing video images (6 marks)
- 2c. List two (2) standards employed in video capturing and display, (4 marks)
- 3a. State any two (2) components of deliverables. (2 marks)
- 3b. Explain by means of examples, any two (2) facts to be deduced from the concept of multimedia. (10 marks)
- 3c. Describe any four (4) considerations at the needs assessment phase. (8 marks)
- 4a. What is the import of video compression with respect to Application Software Design and Multimedia? (2 marks)
- 4b. Describe the Zoom User Interface (3 marks)
- 4b. Image animation entails a number of processes. Explain these processes by means of a diagram. (15 marks)
5. State four (4) major differences between the Bitmap graphic and the Vector graphic.
[Total =20 marks]

6a. What are the various phases involved in the development of multimedia applications? (10 marks)

6b. Identify any five (5) sorts of animation. (10 marks)

7a. Describe the notion of 'persistence of vision' (5 marks)

7b. List any three facets of the 'loop of interaction' (3 marks)

7c. Give a brief description of the following:

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- i. Gray area)**
- ii. Throughput) (4 marks each,**
Total=12)
- iii. Error-rate)**

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