



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

CIT 742 - Multimedia Technology (3 Credits)
Total mark is 70 and each question carries 14 marks
Answer any five (5) questions in 3.00 Hours

QUESTION 1

1a. Write a short note on each of the following

- (i) Hypertext
 - (ii) hypermedia.
- (2 marks each)

1b. List five examples of storage devices (5 marks)

1c List any five (5) examples of a Multimedia. (5 marks)

2a. Explain any three features of Multimedia (6 marks)

2b. Mention any two challenges of Multimedia? (4 marks)

2c. List four (4) components of a Multimedia (4 marks)

3a. Write a short note on each of the following:

- (i) Scripting Language
 - (ii) Graphics
 - (iii) Images
- (2 marks each)

3b. List two (2) examples each of Discrete and Continuous Media (4 marks)

3c. Mention two factors that influence I/O performance (4 marks)

4a. What is Redundant Array of Inexpensive Disks (RAID)? (4 marks)

4b. Write a Short note on each of the following:

- (i) Analog and Digital Signals
 - (ii) Optical Storage
- (2 marks each)

4c. List three (3) components of RAID (6 marks)

5a. Explain the term "Pixel" (4 marks)

5b. Give the full meaning of the following acronyms?

- (i) JPEG
- (ii) RTF
- (iii) DVD
- (iv) HSB
- (v) GIF
- (vi) TIFF
- (vii) MP3

(1 mark each)

5c. Identify 3 main sources of sound (3 marks)

6a. Distinguish between Lossy and Lossless (5 marks)

6b. List and explain three (3) system Independent Format (6 marks)

6c. List three (3) factors that determine monitors' resolution? (3 marks)

7a. Explain two (2) properties of the two dimensional Fourier Transform (4 marks)

7b. List any three (3) capture devices (6 marks)

7c. Explain what is meant by Transform Coding? (4 marks)

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