



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

CIT 642 Multimedia Technology
TIME ALLOWED: 3HRS

INSTRUCTIONS: Answer any five (5) questions in 3.00 Hours

- 1a. Give a concise definition of Multimedia. (5 marks)
- 1b. What do you understand by hypermedia. (5 marks)
- 1c. List any five (5) examples of a Multimedia. (10 marks)
- 2a. What are the challenges of Multimedia? (3 marks)
- 2b. Mention three (3) characteristics of a Multimedia (9 marks)
- 2c. List four components of a Multimedia (8 marks)
- 3a. Write short note on the following:
- (i) Graphics
 - (ii) Images
- (3 marks each)
- 3b. List four output devices for Multimedia (8 marks)
- 3c. Mention and explain three factors that influence I/O performance (6 marks)
- 4a. What is Redundant Array of Inexpensive Disks (RAID)? (6 marks)
- 4b. Write Short note on the following:
- (i) CD Storage
 - (ii) DVD
- (4 marks each)
- 4c. List three (3) components of RAID(6 marks)
- 5a. Explain the theory of digitization (7 marks)
- 5b. What is the full meaning of the following acronyms?
- (i). CBT

(ii)RTF

(iii) DVD

(iii) HSB

(iv) ADPCM

(v) GIF

(vi) PNG

(7 marks)

5c. Identify 3 main sources of sound (6 marks)

6a. What do you understand by the term “ Pixel”? (5 marks)

6b. List and explain three (3) system Independent Format (9 marks)

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

7a. Give a concise definition of Colour (5 marks)

7b. State three guidelines of using Colour (9 marks)

7c. What do you understand by Transform Coding?(6 marks)