



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

**CIT 463 INTRODUCTION TO MULTIMEDIA TECHNOLOGY**

**TIME: 2½ HOURS**

**INSTRUCTION: ANSWER ANY FOUR QUESTIONS IN ALL**

- 1a. What did you understand by CD storage *[5 marks]*
- 1b. Explain “Psychoacoustics” *[5 marks]*
- 1c. Write short note on the benefits and challenges of using colour *[10 marks]*
  
- 2a. Enumerate ten examples of multimedia applications *[5 marks]*
- 2b. Describe the two types of network Architecture *[9 marks]*
- 2c. Explain the different areas of digital image processing *[6 marks]*
  
- 3a. Differentiate between the classes of softwares *[6 marks]*
- 3b. Briefly explain the Star Topology and state its Advantages & Disadvantages *[6 marks]*
- 3c. Explain the term Protocol *[8 marks]*
  
- 4a. Write brief history of multimedia *[7 marks]*
- 4b. Explain “Video” *[6 marks]*
- 4c. Discuss multicasting *[7 marks]*
  
- 5a. Define multimedia? *[3 marks]*
- 5b. Briefly explain network *[6 marks]*
- 5c. Explain the application of multimedia Compression. *[11 marks]*
  
- 6a. Explain Software and state the functions it performs *[7 marks]*
- 6b. Write a short note on server *[6 marks]*
- 6c. Explain the term Asynchronous Transfer Mode (ATM). *[7 marks]*
  
- 7a. What are the desirable features for a multimedia system *[8 marks]*
- 7b. Explain at least 5 ways to create a digital image *[5 marks]*
- 7c. Differentiate between the Routing and Router *[7 marks]*

[100 marks in all]