



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS**  
**SEPTEMBER/OCTOBER 2015 EXAMINATION**

**SCHOOL OF SCIENCE AND TECHNOLOGY**

**COURSE CODE:** CIT463

**COURSE TITLE:** Introduction to Multimedia Technology

**Time:** 2½ Hours

**Instruction:** Answer any Four (4) questions.

- 1a. Explain the term Protocol [7 marks]
  - 1b. Explain the term Asynchronous Transfer Mode (ATM). [10½ marks]
  - 2a. Write a short note on server [8 marks]
  - 2b. Write short note on the benefits and challenges of using colour [9½ marks]
  - 3a. Define multimedia? [7½ marks]
  - 3b. Enumerate ten examples of multimedia applications [10 marks]
  - 4a. Briefly explain the Star Topology and state its Advantages & Disadvantages [7½ marks]
  - 4b. Explain at least 5 ways to create a digital image [10 marks]
  - 5a. Explain three (3) different areas of digital image processing [6 marks]
  - 5b. Differentiate between the Routing and Router [11½ marks]
  - 6a. Explain "Psychoacoustics" [7½ marks]
  - 6b. Differentiate between the three (3) classes of software and give three (3) examples each [10 marks]
- [70 marks in all]