



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

**COURSE CODE: CIT 463**

**COURSE TITLE: INTRODUCTION TO MULTIMEDIA TECHNOLOGY**

**CREDIT UNIT: 2CREDIT UNITS**

**TIME: 2 HOURS**

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

- 1a. Explain the term Asynchronous Transfer Mode (ATM). *[10<sup>1</sup>/<sub>2</sub> marks]*
- 1b. Explain the term Protocol *[7 marks]*
- 2a. Write a short note on server *[8 marks]*
- 2b. Write short note on the benefits and challenges of using colour *[9<sup>1</sup>/<sub>2</sub>marks]*
- 3a. Define multimedia? *[7<sup>1</sup>/<sub>2</sub> marks]*
- 3b. Enumerate ten examples of multimedia applications *[10 marks]*
- 4a. Briefly explain the Star Topology and state it Advantages & Disadvantages *[7<sup>1</sup>/<sub>2</sub> 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 *[11<sup>1</sup>/<sub>2</sub> marks]*
- 6a. Explain "Psychoacoustics" *[7<sup>1</sup>/<sub>2</sub>marks]*
- 6b. Differentiate between the three (3) classes of software's and give three (3) examples each

*[10 marks]*