



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS**  
**MARCH/APRIL 2016 EXAMINATION**

**SCHOOL OF SCIENCE AND TECHNOLOGY**

**COURSE CODE:** CIT463  
**COURSE TITLE:** Introduction to Multimedia Technology

**Time:** 2 Hours  
**Instruction:** Answer any Four (4) questions.

- 1a. Write brief history of multimedia [3 marks]
- 1b. With illustration explain Bus topology [4½ marks]
- 1c. Differentiate between the three (3) classes of software's and give three (3) examples each [10 marks]
- 2a. Explain three (3) different areas of digital image processing [6 marks]
- 2b. Differentiate between the Routing and Router [11½ marks]
- 3a. Explain "Psychoacoustics" [3 marks]
- 3b. With illustration explain Star topology [4½ marks]
- 3c. Explain Software and seven (7) functions it performs [10 marks]
- 4a. Explain the steps and process involved in on multicasting [7½ marks]
- 4b. Explain at least 5 ways to create a digital image [10 marks]
- 5a. Explain "Video" [3 marks]
- 5b. State one demerit of Bus topology and two (2) demerits of Star topology [4½ marks]
- 5c. Explain lossy compression and why compressing multimedia [10 marks]
- 6a. Explain network [3 marks]
- 6b. With illustration explain Ring topology [4½ marks]
- 6c. Describe the two types of network Architecture [10 marks]