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**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 *[4****1/2*** *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 *[*11*1/2 marks]*

3a. Explain “Psychoacoustics” *[3**marks]*

3b. With illustration explain Star topology *[4****1/2*** *marks]*

3c. Explain Software and seven (7) functions it performs *[10 marks]*

4a. Explain the steps and process involved in on multicasting *[7****1/2***  *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 *[4**1/2 marks]*

5c. Explain lossy compression and why compressing multimedia *[10 marks]*

6a. Explain network *[3**marks]*

6b. With illustration explain Ring topology *[4****1/2*** *marks]*

6c. Describe the two types of network Architecture *[10 marks]*