

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
SCHOOL OF INFORMATION AND COMMUNICATION TECHNOLOGY
DEPARTMENT OF INFORMATION AND MEDIA TECHNOLOGY

Second Semester B. Tech. Examinations 2013/2014 Academic Session

Course Title: Multimedia Technology & Programming

Credit: 2 Units

Course Code: IMT521

Time Allowed: 2 hours

Instruction: Answer any **FOUR** questions

October 2014

1. i) What is meant by Multimedia technology? 3
ii) Explain Linear and Non-linear multimedia. 4
iii) What are the basic technologies employed for multimedia system? 4
iv) State any **five** applications of Multimedia system. 4
2. i) Explain Analogue and Digital recording. 5
ii) State any five (5) advantages of the better media. 15
iii) List five (5) distribution channels of multimedia contents. 5
3. a. Explain the following:
i) Data compression ii) Real-Time Audio iii) Voice recognition
iv) Media streaming (2.5 marks each)
b. Give any three examples each of *lossy* and *lossless* compression formats. 5
4. i. What are the desirable features of multimedia encryption features? 10
ii. What is encoding? Give examples of character, audio and video 5
encoding systems.
5. What is Unicode and Unicode Consortium? What are the most common Unicode encoding systems? 10

AIO/OCTOBER 2014