



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

SECOND SEMESTER 2015/2016 EXAMINATION

COURSE CODE:	IMT 521
COURSE TITLE:	MULTIMEDIA TECHNOLOGY & PROGRAMMING
CREDIT UNITS:	2
TIME ALLOWED:	2 Hours
COURSE LECTURER(S):	I. O. ALABI & F. J. BABAKANO
NUMBER OF QUESTIONS:	4
NUMBER OF PAGES:	2 (INCLUDING THIS PAGE)

INSTRUCTIONS

- Answer all questions
- Do **not** use red pen
- Please use a clear handwriting
- This exam is closed book, closed notes, closed laptop and closed cell phone
- Please use non-programmable calculators only



1. a. Explain analog and digital media. (6 marks)
b. State any four reasons of the better media. (4 marks)
c. What are the desirable features of multimedia encryption? (5 marks)
2. a. As an IT expert, suggest **four** examples, with cogent *reason(s)*, of situations where the use of video conference instead of other communication means is a perfect solution. (10 marks)
b. What are the basic components of video conference device? (5 marks)
3. a. Differentiate between the traffic requirements and functional requirements of multimedia on the network and demonstrate with convincing argument how each of these requirements can be met.
b. Explain with examples what error tolerant and error intolerant media types are and mention the networking protocols that each use.
4. a. With the aid of a well labeled diagram, describe the different classifications of media types from a networking perspective.
b. To meet the functional requirements of a multimedia on the network, the necessary functions can be incorporated into the application itself or standardized protocols can be created to operate over the networking protocol stack to satisfy them. Which of the two ways mentioned above do you think is better and why?