



NATIONAL OPEN UNIVERSITY OF NIGERIA
University Village, 91 Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja
FACULTY OF SCIENCES
COMPUTER SCIENCE DEPARTMENT
2022_2 EXAMINATIONS

COURSE CODE: CIT742

COURSE TITLE: Multimedia Technology

CREDIT: 3 Units

TIME ALLOWED: 2½ Hours

INSTRUCTION: Answer Question 1 and any other THREE (3) questions

- 1a) What is multimedia application? Give six examples of multimedia application. *(5 marks)*
 - b) State the relationship between Hypermedia and multimedia applications. *(1 mark)*
 - c) Enumerate the four important characteristics of a multimedia system. *(4 marks)*
 - d) What is the significance of authoring system in the development of an interactive multimedia project. *(3 marks)*
 - e) Multimedia systems require output devices. Identify the output devices for a basic multimedia system. *(2 marks)*
 - f) Enumerate the major guidelines for the use of colour in multimedia. *(4 marks)*
 - g) In image processing context, discuss *histogram* *(4 marks)*
 - h) What are the issues to be addressed in a multimedia system component integration. *(2 marks)*
- 2a) In multimedia context, what do you understand by authoring paradigm? *(1½ marks)*
- b) Write short notes on any three authoring paradigms *(13½ marks)*
- 3a) Itemise the key issues that affect storage media. *(2½ marks)*
- b) Briefly describe the four factors that influence I/O performance. *(12½ marks)*
- 4) Write short notes on the following concepts:
- a) Texts and Static Data *(3 marks)*
 - b) Graphics *(4 marks)*
 - c) Images *(5 marks)*
 - d) Video *(3 marks)*
- 5a) Extensively discuss DVD. *(10 marks)*
- b) In the context of system independent image format, what is TIFF? *(5 marks)*
- 6a) Discuss multimedia compression. *(6 marks)*
- b) Write short notes on Redundant Array of Inexpensive Disks (RAID) *(9 marks)*