



**NATIONAL OPEN UNIVERSITY OF NIGERIA
JABI FCT ABUJA
FACULTY OF SCIENCE
SEPTEMBER/OCTOBER 2016 EXAMINATION**

CIT742: Multimedia Technology

TIME ALLOWED: 3Hours

INSTRUCTION(S): Attempt any Five (5) questions

Question 1

- i) Describe the process of image analysis – 7 marks
- ii) Enumerate and explain the basic features of a multimedia system – 7 marks

Question 2

- i) List and explain any 5 standard system independent format that you know – 7 marks
- ii) Distinguish between lossless and lossy file compressions – 7 marks

Question 3

- i) List and explain the major components of a multimedia system – 7 marks
- ii) Describe in details the concept of digitization of sound – 7 marks

Question 4

Explain the following terms

- i) authoring paradigm – 3 marks
- ii) Quantisation – 3 marks
- iii) Chromatics – 2 marks
- iv) Transform coding – 3 marks
- v) Histogram equalization – 3 marks

Question 5

- i) In image digital signal processing systems, what do you understand by the term noise – 6 marks
- ii) As a multimedia technologist, suggest possible ways of eliminating noise in image processing – 8 marks

Question 6

- i) What is the significance of an authoring system? – 5 marks
- ii) Explain any 3 multimedia authoring paradigms that you know – 9 marks