



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS**  
**SEPTEMBER/OCTOBER 2015 EXAMINATION**

**SCHOOL OF SCIENCE AND TECHNOLOGY**

**COURSE CODE: CIT 742**

**COURSE TITLE: Multimedia Technology (2 Credits)**

**Total mark is 70 and each question carries 17<sup>1</sup>/<sub>2</sub> marks**  
**Answer 4 Questions in 2.00 Hours.**

- 1(a) What is a Multimedia Application? List four (4) examples (7 marks)  
1(b) Outline three (3) Characteristics of a Multimedia (6 marks)  
1(c) Identify three types of Static Media ( 4<sup>1</sup>/<sub>2</sub> marks)

- 2(a) Explain the term “ Hypermedia” and give a typical example (4 marks)  
2(b) What are the full meaning of the following acronyms:

CBT  
RTF  
RAID  
DVD  
GIF  
TIFF  
DFT  
DCT  
WWW

( 1 mark each)

- 2(c) Identify three (3) parameters which affect data storage (4<sup>1</sup>/<sub>2</sub> Marks)

- 3(a) Explain lossy Compression and list types .(5 marks)  
3(b) Identify four (4) Desirable Features for a Multimedia System? (8 marks)  
3(c) ) Mention three (3) Multimedia Authoring paradigm? (4<sup>1</sup>/<sub>2</sub> Marks)

- 4(a) What is transform coding? (4 marks)  
4(b) Outline three (3) components of a multimedia, each with an example (9 marks)  
4(c) Identify three (3) types of continuous media (4<sup>1</sup>/<sub>2</sub> Marks)

5(a) Explain the word "Pixel" ( 5 marks)

5(b)What is colour? Identify three guidelines for colour (8 marks)

5(c ) Identify three (3) sources of sound ( $4\frac{1}{2}$  Marks)

6(a) What is the word "Noise "? List the forms available. (4 marks)

6(b) Write short note on the following:

Monitor Resolution

Scripting Language

Principle of Video Compression

( 3 marks each)

6(c) Mention three (3) System Independent Formats most commonly used ( $4\frac{1}{2}$  Marks)