COURSE CODE: CIT742
COURSE TITLE: Multimedia Technology (3 Credits)
TIME ALLOWED: 3 Hours
INSTRUCTION: Answer any five (5) questions

1a. Explain the term "MULTIMEDIA"
(4 marks)
1b. Differentiate between a hyperlink and a hypermedia.
(6 marks)
1c. List any five (5) examples of a Multimedia.
(10 marks)

2a. Write on any four features of Multimedia
(8 marks)
2b. What are the challenges of Multimedia?
(4 marks)
2c. Explain on any four (4) components of a Multimedia
(8 marks)

3a. Explain what you understand by storage device.
(4 marks)
3b. List four output devices for a basic multimedia system
(8 marks)
3c. Explain four key issues that affect storage media
(8 marks)

4a. What is Redundant Array of Inexpensive Disks (RAID)?
(6 marks)
4b. Write a Short note on each of the following:
i.   Analog and Digital Signals
ii.   Optical Storage

          (3 marks each)
4c. List three (4) components of RAID
(8 marks)

5a. Explain the term "Pixel"
(3 marks)
5b. Give the full meaning of the following acronyms?
i.   ADPCM
ii.   CBT
iii.   JPEG

iv.   RTF
v.   HSB
vi.   GIF
vii   TIFF

(2 marks each)
5c. Discuss (three) 3 main sources of sound
(3 marks)

6a.What is Colour?
(6 marks)
6b. List challenges and Benefits of using Colours
(8 marks)
6c. Discuss (3) guidelines for Colour usage
(6 marks)

7a. Explain two (2) properties of the two dimensional Fourier Transform
(6 marks)
7b. List any three (3) capture devices
(9 marks)
7c. Explain what is meant by Transform Coding?
(5 marks)