



TECHNICAL UNIVERSITY OF MOMBASA

INSTITUTE OF COMPUTING AND INFORMATICS

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

UNIVERSITY EXAMINATION FOR:

DIPLOMA IN INFORMATION TECHNOLOGY

EIT 2206: MULTIMEDIA SYSTEMS

END OF SEMESTER EXAMINATION

SERIES: AUGUST 2019

TIME: 2 HOURS

DATE: Pick Date Aug 2019

Instructions to Candidates

You should have the following for this examination

-Answer Booklet, examination pass and student ID

This paper consists of **FIVE** questions. Attempt question ONE (Compulsory) and any other TWO questions.

Do not write on the question paper.

Question ONE

1. Define the following: (4 Marks)
2. List any five Basic Sound editing operations. (5 Marks)
3. Distinguish between the two main categories of Audio (2 Marks)
4. Discuss the THREE types of Multimedia Authoring tools citing examples of each (9Marks)

Question TWO

1. List all the Steps of creating multimedia Presentation. (8 Marks)
2. Explain activities in any five of steps in 1. (8 Marks)
3. List four sources of graphic images. (4 Marks)

Question THREE

- 1. List the components of multimedia (5 marks)**
- 2. Discuss any TWO areas of Application of multimedia (5 Marks)**
- 3. List and Explain the tools used by humans for depth perception. (10 Marks)**

Question FOUR

- 1. List the four main perspectives of Multimedia Authoring tools (4 Marks)**
- 2. Define the term compression citing its pros and cons. (10 Marks)**
- 3. Discuss the three Lossy compression techniques citing which multimedia component they affect. (6 Marks)**

Question FIVE

- 1. List attributes of an image (4 marks)**
- 2. Differentiate between the two methods of data compression. (5 marks)**
- 3. Explains what happens with: (6Marks)**
 - i. increased resolution?**
 - ii. Decreased resolution**
- 4. Define MIDI and Digital audio citing their differences. (5 Marks)**