TECHNICAL UNIVERSITY OF MOMBASA

FACULTY OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

UNIVERSITY EXAMINATION FOR:

DIPLOMA IN INFORMATION AND COMMUNICATION TECHNOLOGY

EIT 2206: MULTIMEDIA SYSTEMS

SPECIAL/ SUPPLEMENTARY EXAMINATION

SERIES: SEPTEMBER 2018

TIME: 2HOURS

DATE: Sep 2018

Instructions to Candidates
You should have the following for this examination
-Answer Booklet, examination pass and student ID
This paper consists of **FIVE** questions. Attemptquestion ONE (Compulsory) and any other TWO questions.
Do not write on the question paper.

Question ONE (COMPULSORY)

a) Describe various file types used in multimedia   (8 Marks)
b) Define the following terms   (6 Marks)
    a. Dithering
    b. Kerning
    c. Hypertext
c) Describe any THREE elements of a multimedia system   (6 Marks)

Question TWO

a) Describe the following terms   (6 Marks)
    a. Interactive Multimedia
    b. Integrated Multimedia
    c. Hypermedia
b) Describe the stages of multimedia development   (8 Marks)
c) State and describe FOUR applications of multimedia   (8 Marks

Question THREE

a) Briefly describe any TWO categories of multimedia system   (4 Marks)

b) Describe the difference between a typeface and a font   (2 Marks)

c) Using an example, describe the term authoring tool   (2 Marks)

d) Describe any FOUR methods for word searching in Hypermedia system   (8 Marks)

e) Describe the use of colors and pallets in multimedia   (4 Marks)

Question FOUR

a) Describe how multimedia can be applied in schools and public places   (4 Marks)

b) Outline FIVE design suggestions to consider when choosing fonts   (5 Marks)

c) Describe the following terms   (3 Marks)
   a. Bitmap
   b. HTML
   c. Dithering

d) Describe the primary multimedia delivery methods   (8 Marks)

Question FIVE

a) Describe any TWO animation techniques   (4 Marks)

b) Describe the term Inverse Kinematics   (3 Marks)

c) Briefly describe bitmap, vector and 3-D images   (6 Marks)

d) Differentiate between additive color and subtractive color   (4 Marks)

e) Describe how vector drawing works   (3 Marks)