(Knowledge for Development)

KIBABII UNIVERSITY

(KIBU)

UNIVERSITY EXAMINATIONS

2020/2021 ACADEMIC YEAR

MAIN EXAMINATIONS

YEAR TWO SEMESTER ONE EXAMINATIONS

FOR THE DIPLOMA IN
(INFORMATION TECHNOLOGY)

COURSE CODE : DIT 067

COURSE TITLE   : MULTIMEDIA APPLICATIONS

DATE: 05/10/2021   TIME: 9.00 A.M. - 11.00 A.M.

INSTRUCTIONS TO CANDIDATES

ANSWER QUESTION ONE AND ANY OTHER TWO

QUESTION (COMPULSORY) ONE (24 MARKS)

(a) Define the following terms when dealing with text: [4 marks]

    i.   Accuracy

    ii.   Typography

(b) What are the digital elements involved in multimedia? [4 marks]

(c) What are the factors that we have to consider when choosing graphics editing software? [4 marks]

(d) How is Multimedia used today? [4 marks]

(e) Explain the importance of storyboarding in multimedia development [8 marks]

QUESTION TWO (18 MARKS)

(a) Why does a multimedia computer only process digital data? [6 marks]

(b) The most important thing to remember when dealing with text is that fonts vary from computer to computer. Discuss [6 marks]

(c) Explain 5 tips one should observe when developing a multimedia application [6 marks]

QUESTION TWO (18 MARKS)

(a) What are some of the bad uses of colors when designing a poster? [6 marks]

(b) Differentiate between GIF and JPEG picture formats [4 marks]

(c) Name and explain 4 properties of Sound [8 marks]

QUESTION THREE (18 MARKS)

(a) Differentiate between the following terms [6 marks]

    i.   Video and Animations

    ii.   Music and Sound

    iii. Picture and image

(b) Name and explain the FOUR color schemes [8 marks]

(c) What are some of the bad uses of images when designing a poster? [4 marks]

QUESTION FOUR (18 MARKS)

(a) There are many things involved in coming up with a good design for your multimedia system. The most important consideration is to understand the audience and ease of use. Discuss. **[6 marks]**

(b) Differentiate between analog and Digital Video **[4 marks]**

(c) Discuss merits and demerits of using digital video **[4 marks]**

(d) What is the importance of sound in multimedia applications? **[4 marks]**

QUESTION FIVE (18 MARKS)

(a) Name and explain 3 characteristics of Sound **[6 marks]**

(b) Name and explain guidelines a graphic designer should apply when using Text.

[6 marks]

(c) What are some of the benefits of using digital sound? **[6 marks]**