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*(Knowledge for Development)*

**KIBABII UNIVERSITY**

**(KIBU)**

**UNIVERSITY EXAMINATIONS  
2022/2023 ACADEMIC YEAR**

**END OF SEMESTER EXAMINATIONS  
SECOND YEAR FIRST SEMESTER  
EXAMINATIONS**

**FOR THE DIPLOMA IN  
(INFORMATION TECHNOLOGY)**

**COURSE CODE: DIT 067**

**COURSE TITLE: MULTIMEDIA APPLICATION**

**DATE: 16/12/2022**

**TIME: 9.00 A.M – 11.00 A.M**

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**INSTRUCTIONS TO CANDIDATES**

**ANSWER QUESTIONS ONE AND ANY OTHER TWO.**

**QUESTION ONE (COMPULSORY) [24 MARKS]**

- (a) Define the following terms [4 marks]
- i. Multimedia
  - ii. Hypermedia
- (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 computer system? [8 marks]
- (d) Explain the importance of storyboarding in multimedia development [8 marks]

**QUESTION TWO (18 MARKS)**

- (a) How is Multimedia used today? [6 marks]
- (b) Discuss the effects of typography when designing multimedia product [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) What is the importance of file compression in multimedia design? [4 marks]
- (b) Differentiate between the following terms [6 marks]
- i. Video and Animations
  - ii. Music and Sound
  - iii. Picture and image
- (c) Name and explain the *FOUR* color schemes [8 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 Multimedia in entertainment industry? **[6 marks]**