

## UNIVERSITY EXAMINATIONS 2023/2024 ACADEMIC YEAR

# END OF SEMESTER EXAMINATIONS YEAR FOUR SEMESTER ONE EXAMINATIONS

## FOR THE DEGREE OF BACHELOR OF SCIENCE COMPUTER SCIENCE

COURSE CODE

: CSC 471E

COURSE TITLE

: MULTIMEDIA

TECHNOLOGIES

DATE: 04/12/2023

TIME: 09:00 HRS - 11:00 HRS

INSTRUCTIONS TO CANDIDATES

ANSWER QUESTIONS ONE AND ANY OTHER TWO.

#### QUESTION ONE (COMPULSORY) [30 MARKS]

a. Illustrate your understanding of the advancements brought about by Multimedia	
media	[4 Marks]
b. i. Differentiate between Hypertext and Hypermedia	[4 Marks]
ii. Give four characteristics of Multimedia that make it distinct from other medi	a
	[4 Marks]
c. Show your understanding of the following multimedia terms:	0
i. Synchronization devices	[2 Marks]
ii. Multimedia platform	[2 Marks]
iii. Authoring Software	[2 Marks]
iv. Professional Multimedia Development Tools	[2 Marks]
d. Interpret to your colleague the role played by interaction devices in multimedia	
e. i. What is Beta testing?	[2 Marks]
ii. What are the advantages of using the above testing method over any other?	[4 Marks]
ii. What are the advantages of using the above testing method over any other:	7
	3
QUESTION TWO [20 MARKS]	9
QUESTION TWO [20 MINIMO]	
a. Elaborate on five (5) advantages of using multimedia.	[10 Marks]
b. i. What are analog media devices?	[1 Mark]
ii. With relevant examples, describe three categories of analog media devices	[9 Marks]
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QUESTION THREE [20 MARKS]	( ) ( )
	rning materials
a. Compile various roles that authoring software play in the development of e-lear	
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#### QUESTION FIVE [20 MARKS]

a. Discuss three reasons for sound not being left out in the creation of multimedia content.

[6 Marks]

b. Describe three types of analog video signal

[6 Marks]

c. Calculate the video file size of a documentary with the following:

Duration=10 mins

Frame rate=25 fps

Frame size=160 by 120

Colour resolution=8-bit

Give answer in MB

[4 Marks]

d. Describe four user interface tips you will give to your friend who wants to become a graphics designer [4 Marks]