NATIONAL OPEN UNIVERSITY OF NIGERIA University Village, 91 Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja FACULTY OF SCIENCES

COMPUTER SCIENCE DEPARTMENT 2023_2 EXAMINATIONS_

CIT 463 - Introduction to Multimedia Technology Credit: 3 units	
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INSTRUCTION: Answer Question 1 and any other FOUR (4) Questions	
QUESTION 1	(3 marks)
a) Describe the term "Multimedia" in a Computer Environment"	(4 marks)
b) With the aid of diagram discuss Star Topology	(3 marks)
c) Summarize the features of Digital Audio	(2 marks)
d) What makes color management Subjective and Technical? e) Discuss the advantages of the Digital Television over the Analogue Television output Devices	(3 marks)
f) Highlight the types of dedicated Video conferencing Devices	
g) Outline two types of circuit in Asynchronous transfer Mode (ATM) network	(2 marks)
h) State at least four examples of Application Software	(2 marks)
QUESTION 2	(2
a) Briefly describe Quality of Service (QoS)	(3 marks) (2 marks)
h) Distinguish between Digital Audio and Analogue Audio	51
c) Highlight at least two (2) types of Authoring tools and summarize their usage	(3 marks) (3 marks)
d) Discuss the functions of Computer Telephony Integration	(1 marks)
e) Outline the compression types commonly used in video compression	(1 marks)
QUESTION 3	(2
a) Discuss the processes to convert Analogue Audio to Digital Audio	(2 marks) (4 marks)
b) Summarize the benefits and challenges of using Colorc) State the difference between Differentiated Services and Integrated Services	(2 marks)
d) Describe at least three (3) ways to create digital image	(3 marks)
e) Mention two unique ways to specify color	(1 marks)
Series Control	1
QUESTION 4 a) Identify the limitation of psychoacoustics model.	(2 marks)
b) Differentiate between Wider Area Network (WAN) and Local Area Network (LAN) c) Explain the term "Pixel" as used in multimedia technology.	100
	(3 marks)
d) Outline the features of Image and digital image	(4 marks)
e) Explain the term "Chromatic"	(1 marks)
QUESTION 5	
a) Briefly explain the term "Peer-To-Peer Architecture"	(3 marks)
b) Highlight the characteristics of Metropolitan Area Network (MAN)	(2 marks)
c) Differentiate between Real-time Transfer Protocol and Session Control Proto	col (2 marks)
d) Describe Digital Subscriber Line c) What are the advantages and disadvantages of the Line at the second of the Line at	(3 marks)
e) What are the advantages and disadvantages of the Internet Telephony?	(2 marks)