NATIONAL OPEN UNIVERSITY OF NIGERIA
Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi, Abuja
FACULTY OF COMPUTING
DEPARTMENT OF COMPUTER SCIENCE
2024_2 EXAMINATION

PROGRAMME: B.SC COMPUTER SCIENCE
COURSE TITTLE: MULTIMEDIA TECHNOLOGY
COURSE CODE: CIT 742
CREDIT UNIT(S):   3 UNITS
TIME ALLOWED: 2.30 MINUTES
INSTRUCTION: ANSWER QUESTIONS ONE (1) AND ANY OTHER THREE (3

QUESTION ONE (1)
    a) Briefly explain the theory of digitization   8 marks
    b) How can sound be converted from analog to digital?   10 marks
    c) List two types of audio format and explain each briefly   7 marks

QUESTION TWO (2)
    a) Explain what you understand by the term pixel   8 marks
    b) Consider two computer monitors A and B. Monitor A has 19600 pixels while monitor B has 25000 pixels. Which of the monitor has better picture quality in term of image resolution?   7 marks

QUESTION THREE (3)
    a) Explain the color representation with table   10 marks
    b) Define "Colour" as related to multimedia   5 marks

QUESTION FOUR (4)
    a) With the aid of a clear diagram, the relationship between human eye and camera system   15 marks

QUESTION FIVE (5)
    a) Draw a relevant graph to explain how human see the colour of an object   5 marks
    b) What are the guidelines for using colour?   10 marks

QUESTION SIX
    a) What do you understand by chromatic?   5 marks
    b) With aid of a sketch, explain the light spectra   10 marks