



**NATIONAL OPEN UNIVERSITY OF NIGERIA,
PLOT 91, CADASTRAL ZONE, UNIVERSITY VILLAGE, JABI – ABUJA
FACULTY OF SCIENCES
2021_2 EXAMINATION**

COURSE CODE: CIT735

COURSE CREDIT: 3

COURSE TITLE: APPLICATION SOFTWARE DESIGN AND MULTIMEDIA

TIME ALLOWED: 2¹/₂ HOURS

INSTRUCTION: ANSWER QUESTION ONE (1) AND ANY OTHER FOUR (4) QUESTIONS

- 1) (a) State the vital facts that can be deduced from the Multimedia definitions of different scholars (**6 marks**)
(b) Highlight any six (6) examples of multimedia applications (**3 marks**)
(c) State any three (3) advantages of Flash (**3 marks**)
(d) What are the components of interactive multimedia (**2 marks**)
(e) State any two (2) challenges of multimedia systems (**2 mark**)
(f) Discuss the concepts of Copyright in relation to multimedia application development. (**3 marks**)
(g) Describe the Direct Changeover Delivery Strategies (**1 marks**)

[21 marks]

- 2) Briefly explain the following:
 - i. Classic Waterfall Life Cycle (**2½ marks**)
 - ii. Rapid prototyping Model (**2½ marks**)
 - iii. Iterative and Incremental Model (**2½ marks**)
 - iv. Formal methods (**2½ marks**)
 - v. Multimedia System Development Life Cycle Model (**2 marks**)
- 3) (a) Write on the category of multimedia data according to Winter 1997 (**2 marks**)
(b) Distinguish between Text and Graphics as data elements (**4 mark**)
(c) Briefly explain the term Document Structure (**3 mark**)
(d) Describe the term Metamedia. (**3 marks**)
- 4 (a) Outline the steps for using a Corel R.A.V.E. project on the World Wide Web (**5 marks**)
(b) Explain your understanding of Cascading Style Sheets (CSS) (**2 marks**)
(c) Describe Document Object Model (DOM) (**2 marks**)
(d) Describe the term AJAX? (**2 marks**)
(e) What does HTML stands for? (**1 mark**)
- 5) (a) Elucidate on cross platform issue in Text element (**2 marks**)
(b) Highlight any four concepts in the nature of digital images (**2 marks**)
(c) Explain the criteria for choosing Text in multimedia (**8 marks**)



6. (a) Write short notes on Text as a property of multimedia elements (*5 marks*)
- (b) State any five benefits of multimedia (*5 marks*)
- (c) Distinguish between the American Standard Code for Information Interchange (ASCII) and Unicode Standard (*2 marks*)