

PLOT 91, CADASTRAL ZONE, UNIVERSITY VILLAGE, JABI – ABUJA
FACULTY OF SCIENCES
DEPARTMENT OF COMPUTER SCIENCE
2024 I EXAMINATION

COURSE CODE: CIT811

COURSE CREDIT: 3

COURSE TITLE: HUMAN COMPUTER INTERACTIONS

TIME ALLOWED: 3 HOURS

INSTRUCTION: ANSWER QUESTION ONE (1) AND ANY OTHER THREE (3) QUESTIONS

Questions

- 1(a) Analyse the use of Colour and non-destructive buttons in the design of user interface [9 marks]
- 1(b) Explain the effects of audience, purpose and context on user centred design (UCD) [6 marks]
- 1 (c) Outline the strengths and weaknesses of menu selection as an Interaction style [6 marks]
- 1(d) Describe persona as a method of cognitive walkthrough [4 marks]
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- 2(a) Access the future of Human Computer Interaction (HCI) in terms of (i) Mass availability of computer graphics (ii) Mixed media [6 marks]
- 2(b) Describe the model view controller (MVC) [9 marks]
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- 3(a) Make a comparison and a contrast of the visual image store and the auditory image store [8marks]
- 3(b) Briefly discuss how (i) focus group (ii) Survey could be used to evaluate usability [7 marks]
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- 4(a) List the five (5) major usability concepts [5 marks]
- 4(b) Write short notes on the following (i) Interfaces (ii) Conversational interface agents (iii) Intelligent user interfaces [10 marks]
- 5(a) How useful are multimedia Design tools in human computer interface design? [6 marks]
- 5(b) State six (6) forces shaping the nature of computing that affect Human-Computer-Interaction [9 marks]
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- 6(a) Differentiate between remote usability testing and thinking aloud method of testing as usable evaluation methods [9 marks]
- 6(b) If Mercy struggled for 5 minutes to remember a piece of information due to her memory impairment. Calculate the probability of recall at a decay rate of 0.1. [6 marks]