



NATIONAL OPEN UNIVERSITY OF NIGERIA
SCHOOL OF SCIENCE & TECHNOLOGY

Course Code: CIT 811

Time: 3 hrs

Course Title: User Interface and Ergonomics

Course Credit Unit: 3

Instruction: Answer any five (5) questions. Each question carries 14 marks

- 1a. List and explain five (5) tips for designing a good user interface.
- 1b. Explain two elements of graphical user interface using two examples each to explain
- 1c. List four (4) types of user interfaces
- 2a. Explain the five aspects of Ergonomics. (2 marks each)
- 2b. With the aid of a diagram what do you understand by Human Processor Model (4 marks)
- 3a. Explain User-Centered design (5 Marks)
- 3b. Explain Interaction Design (5 Marks)
- 3c. What are the stages involved in Task Analysis (1 mark each)
- 4a. State five (5) major steps in interaction design
- 4b. Explain Usability?
- 4c. State four (4) major concepts of usability
- 5a. The graphic design of an interface involves decisions about issues such as where to put things on the screen, what size and font if type to use, and what colors will work best. Explain (5 Marks)
- 5b. What is prototyping?

5c. List the three main types of prototyping and Describe techniques used in Low Fidelity Prototype?

6a. Explain Heuristic Analysis?

6b. List and explain 5 Nielsen and Molich's Heuristics

6c. List the cognitive modeling methods.

7a. Explain the six stages of conducting a usability test.

7b. List four (4) kinds of Layout Managers?