



**ELIZADE UNIVERSITY**

**ILARA-MOKIN**

**FACULTY: BASIC AND APPLIED SCIENCES**  
**DEPARTMENT: MATHEMATICS AND COMPUTER SCIENCE**  
**2<sup>nd</sup> SEMESTER EXAMINATION**  
**2020 / 2021 ACADEMIC SESSION**

**COURSE CODE: CSC 206**

**COURSE TITLE: Human Computer Interaction**

**COURSE LEADER: Dr. Bukola Onyekwelu**

**DURATION: 2 Hours**

HOD's SIGNATURE

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**INSTRUCTION:**

Candidates should answer any **FOUR** questions

Students are warned that possession of any unauthorized materials in an examination is a serious assessment offence

Students are permitted to use **ONLY** a scientific calculator.

#### Question 1

- a. Explain the major focus of HCI in systems analysis and design.
- b. Assuring Utility is one of the goals of HCI. Discuss.
- c. List the Benefits of HCI

#### Question 2

- a. In what way does Computer Science, as an Academic Discipline, contribute to HCI?
- b. What are the factors that affect memorability?
- c. Define Invisible Technology, giving 2 examples.

#### Question 3

- a. What is User Interface. Give reasons why the software User Interfaces have become more popular than the hardware counterparts.
- b. Explain the elements of
  - i. the Command Line Interface (CLI)
  - ii. The Graphics User Interface (GUI)

#### Question 4

- a. There are a number of activities performed in designing user interface. List these activities and illustrate with the aid of a suitable diagram.
- b. What is the major difference between a checkbox and a radio button?
- c. Define a *command prompt*.

#### Question 5

- a. Explain the goals of Usability Engineering.
- b. Usability is made up of three components. Discuss and back it up with a suitable diagram
- c. List five (8) commonly used software tools in HCI, and explain 2 of them.

#### Question 6

- a. Explain the advantages and disadvantages of the three low-fidelity prototyping techniques?
- b. What is Wizard of Oz? What types of systems is it used to design?
- c. The Computer-based simulation has three approaches. List them and state their advantages.