



NATIONAL OPEN UNIVERSITY OF NIGERIA
University Village, Plot 91, Cadastral Zone, Nnamdi Azikiwe
Express Way, Jabi, Abuja

FACULTY OF SCIENCES

JULY 2017 EXAMINATION

Course Title: CIT353 – Introduction to Human Computer Interaction **Time:** 3hrs

Instruction: *Answer question one and any other three questions* **Credit Unit:** 3

1.
 - a. List five elements of interaction as provided by print technology
 - b. Discuss four of the elements of interaction listed in (a) above
 - c. Human Computer Interaction (HCI) is also sometimes referred to as Man–Machine Interaction (MMI) or Computer–Human Interaction (CHI). Explain?
 - d. Outline with valid examples five goals of HCI.
 - e. Discuss the concepts of Multi-modal and Multi-media systems.

25marks

2. Identify and discuss five Donald Norman’s model in Human Computer Interaction.

15marks

3. In your own words, explain in clear terms the following concepts:

- i. Ergonomics
- ii. Common Interaction styles
- iii. Multi-Sensory Systems

15marks

4. Differential between these participatory design:

- i. User-design versus User-centered design **5marks**
- ii. Ethnography and Participatory design **5marks**
- iii. Discuss briefly the distributed participatory design **5marks**

5.
 - i. Define the concept HCI design pattern and outline five of its’ characteristics.

10marks

- ii. Explain the paradigms of interaction in HCI **5marks**

6. List and discuss the various activities in the software lifecycle **15marks**