

**NATIONAL OPEN UNVERSITY OF NIGERIA**

**University Village, Plot 91, Cadastral Zone, NnamdiAzikiwe 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**

1. Identify and discuss five Donald Norman’s model in Human Computer Interaction. **15marks**
2. In your own words, explain in clear terms the following concepts:
3. Ergonomics
4. Common Interaction styles
5. Multi-Sensory Systems

**15marks**

1. Differential between these participatory design:
2. User-design versus User-centered design **5marks**
3. Ethnography and Participatory design **5marks**
4. 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**

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