



**NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND, LAGOS
SCHOOL OF SCIENCE AND TECHNOLOGY
JANUARY/FEBRUARY 2013 EXAMINATION**

Course Code: CIT 353
Course Title: Introduction to Human Computer Interaction (2 Credits)

**Total mark is 70 and each question carries 17¹/₂ marks
Answer 4 Questions in 2¹/₂ Hours.**

1a . How would you explain Human Computer Interaction to a layman? (4 marks)

1b . List any five (5) examples of Positioning, Pointing and Drawing Devices (9 marks)

1c. Mention any three (3) scientific methods of conducting research in human-computer interaction. (4.5 marks)

2a. How would you explain “Touch Sensitive Screen” to a layman (5 marks)

2b. Mention 3 advantages of the touch sensitive screen interface (4.5 marks)

2c. Mention four (4) health hazards that may likely exist as a result of interacting with the CRT. (8 marks)

3a. List and describe seven principles that may be considered at any time during the design of a user interface (7 marks)

3b. Explain the three types of Recognition and Gestures mode of interaction. Mention areas where each is effectively applied.(4.5 marks)

3c. List three (3) types of printer (6 marks)

4a. What is Knowledge Representation? (4 marks)

4b. Describe the rule based, the frame based and the networked based techniques of Knowledge Representation.(9 marks)

4c. List any three types of prototype methods? (4.5 marks)

5a. What are the major components of the web technology? (4 marks)

5. b. Write a short note on each of the following:

(i) Ergonomics

(ii) Animation

(iii) Menus

(3 marks each)

5c. Mention the three (3) golden rules of the design (4.5 marks)

6a. Give the full meaning of the following acronyms?

(i) MVC

(ii) ZUI

(iii) CSCW

(iv) WYSIWYG

(v) MMI

(vi) RAM

- (vii) CAD
- (viii) DVST
- (ix) GUI

(1 mark each)

6b. List three benefits of Usability (4.5 marks)

6c. List three (3) benefits of design rationale (3 marks)