NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS
SCHOOL OF SCIENCE AND TECHNOLOGY
MAY/JUNE 2012 EXAMINATION

CIT 353Introduction to Human Computer Interaction
TIME ALLOWED: $2^1/_2$ Hours.

Answer 4 Questions

1a . What do you understand by the expression Human Computer Interaction? (5 marks)
1b . Explain any 5 innovations relating to the history of paradigm shifts (10 marks)
1c. Mention any 5 scientific methods of conducting research in human-computer interaction.
(10 marks)

2a. What do you understand to be "Touch Sensitive Screen" ? (5 marks)
2b. Mention 3 advantages and 2 disadvantages of the touch sensitive screen interface (10 marks)
2c. Mention 5 health hazards that may likely exist as a result of interacting with the CRT.(10 marks)

3a. What are multisensory systems and their components? (7 marks)
3b. Explain the three types of Recognition and Gestures mode of interaction. Mention areas where each is effectively applied.(9 marks)
3c. Mention any 3 devices that aid the elderly and the disabled in human computer interaction.
(9 marks)

4a. What is Knowledge representation? (7 marks)
4b. Describe the rule based, the frame based and the networked based techniques of Knowledge representation.(9 marks)
4c. What is the problems with knowledge representation and modeling?(9 marks)

5a. What are the major components of the web technology? (8 marks)

5. b. Write short note on the following:
      (i) Multimedia
      (ii) Animation
      (iii) Hypertext
(3 marks each)

5c. Mention the four golden rules of the design (8 marks)

6a. What is the full meaning of the following acronyms?

      (i)   PDAs
      (ii)   CSCW
      (iii)   WYSIWYG
      (iv)   MMI
      (v)   RAM
      (vi)   CAD
      (vii)   DVST
      (viii) GUI
          (2 marks each)
6b. What do you understand by principles of Robustness.(3 marks)

6c. Mention three (3) principles of Robustness (6 marks)