NATIONAL OPEN UNIVERSITY OF NIGERIA
14/16 AHMADU BELLO WAY, VICTORIA ISLAND, LAGOS
SCHOOL OF SCIENCE AND TECHNOLOGY
MARCH/APRIL 2014 EXAMINATION

COURSE CODE: CIT 353
COURSE TITLE: INTRODUCTION TO HUMAN COMPUTER INTERACTION
TIME ALLOWED: 2 HOURS
INSTRUCTION: ANSWER 4 QUESTIONS

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

2a. Give the full meaning of the following acronyms?
      (i)   UIMS
      (ii)   PDAs
      (iii)   DVST
      (iv)   WYSIWYG
      (v)   TCP
      (vi)   WIMP
      (vii) CARD
      (viii) WAP   (2 marks each)
      (ix)
2c. Mention and explain three (3) devices that aid the elderly and the disabled in human computer interaction.(9 marks)

3a. Explain Touch Sensitive Screen ?(7 marks)
3b. Mention two (2) advantages and two (2) disadvantages of the touch sensitive screen interface (8 marks)
3c. Mention five (5) health hazards that may likely exist as a result of interacting with the CRT
 (10 marks)

4a.What is web technology? (6 marks)
 b. Write short note on each of the following:
     (i) Spreadsheet
     (ii) Animation
     (iii) Menus
     (3 marks)
c. List five application software you know (10 marks)

5a. What is Knowledge representation? (5 marks)
5b. Describe the rule based, the frame based and the networked based techniques of Knowledge representation.(12 marks)
5c. What is the problems with knowledge representation and modeling? (8 marks)

6a. What are the major components of the web technology? (8 marks)
6b. Write short note on the following:
     (i) Multimedia

(ii) Animation
(iii) Hyperlink   (3 marks each)

6c. Enumerate the four golden rules of the design   (8 marks)