COURSE CODE: CIT353
COURSE TITLE: Introduction to Human Computer Interaction
CREDIT: 2 Units
TIME ALLOWED: 2 Hours
INSTRUCTION: Answer Question One (1) and any other Two (2)

QUESTION 1
(a) What do you understand by the term "Human Computer Interaction"
   (3 marks)
(b) Write short note on the following interaction styles **(10 marks)**
   i.   Command line interface *(2 marks)*
   ii. Menus *(2 marks)*
   iii. Natural language *(2 marks)*
   iv. Query Interface *(2 marks)*
   v.   Form-fills and spreadsheets *(2 marks)*
   vi. WIMP **(2marks)**
(c) Highlight five (5) major goals why the study of Human Computer Interaction is essential to make computers usable. *(6 marks)*
(d) What do you understand by the following: Multi-Sensory Systems, Multi-modal and Multi-media systems? *(6 marks)*
(e) Highlight 5 characteristics of patterns *(5 marks)*

QUESTION 2
(a) State the seven stages of the Donald Norman's model *(7 marks)*
(b) Mention 5 scientific methods for carrying out human-computer interaction research. *(5 marks)*
(c) Write short note on the following: *(8 marks)*
         i.   Handwriting recognition
         ii. Text recognition

QUESTION 3
(a) Ergonomics considers both the physical aspects of interfaces and the industrial interfaces. Discuss (*10 marks*)
(b) Describe how groupware affects organisational structures using an example *(6 marks)*
(c) What do you understand by Contextual inquiry *(4 marks)*

QUESTION 4
(a) What do you understand by User modelling? *(2 marks)*
(b) List and explain the two major approaches to be considered in socio-technical modelling *(18 marks).*

QUESTION 5
(a) Discuss the three major types of cognitive model. *(11 marks)*
(b) Give a brief description of the soft systems methodology *(9 marks)*