

MAKERERE UNIVERSITY
SCHOOL OF COMPUTING & INFORMATICS TECHNOLOGY

SEMESTER I, TEST I 2015/2016

**PROGRAMME: Bachelor of Science - Computer Science, Bachelor
of Information Technology, Bachelor of Science – Software
Engineering**

YEAR OF STUDY: III

COURSE NAME: USER INTERFACE DESIGN

COURSE CODE: CSC 3119, BIT 3103, CSC 3208

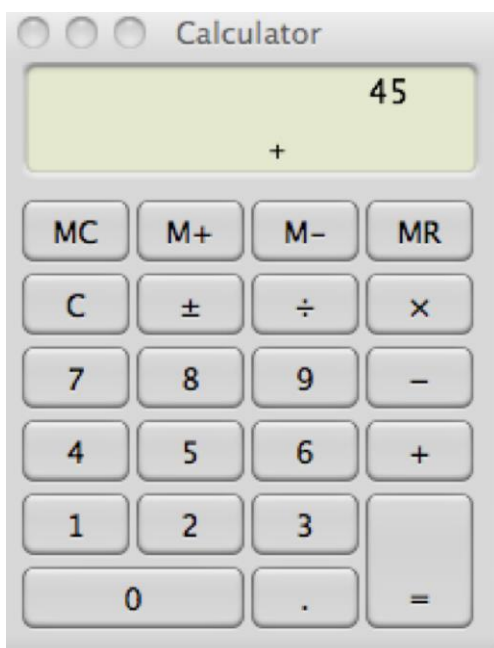
DATE: 20th October 2015

INSTRUCTIONS

- I. ATTEMPT ALL QUESTIONS (25 MARKS)**
- II. DURATION: 45 MINUTES**

Question 1

- A) The process of Interaction Design involves four basic activities. List them. **(4 Marks)**
- B) A popular word processor previously contained an anthropomorphic character to assist you while using the product. Briefly describe any 2 disadvantages that are associated with this design **(2 Marks)**.
- C) Consider the Scientific calculator and the normal calculator interfaces below and answer the question that follows. With justification, compare these two interfaces using any three usability goals/aspects. **(3 Marks)**



- D) Define the term Conceptual Model **(1 Mark)**
- E) You have been hired to develop a wireless information system to help people find their way around a very large shopping mall. What kind of information would you need to find out in order to develop a conceptual model? (Briefly describe this in not more than 1 paragraph) **(3 Marks)**
- F) Differentiate between Synchronous and Asynchronous communication. **(2 Marks)**
- G) List any two cons of Asynchronous communication. **(2 Marks)**
- H) In Practice, the make-up of any design team depends on the kind of interactive product being built. Who do you think would need to be involved in developing:
- i) A public kiosk providing information on the location of for instance restaurants, coffee shops, the cinema or any other exhibits available in a large shopping mall. **(2 Marks)**

- I) Refer to the interface below and Name two ways you could update the above interface to support the principles of direct manipulation. **(4 Marks)**

The screenshot shows a web form titled "Prescription Refill Service". It includes a title bar with the text "Prescription Refill Service" and standard window controls. The main heading is "PRESCRIPTION REFILL SERVICE". Below this, there are two input fields: "Your name:" and "Date: **". The "Date" field has a placeholder "**". Below these is a section titled "Prescription Refill Service" containing a "Doctors Name:" field with the text "Dr." and a "Medicine Name:" dropdown menu. The dropdown menu is open, showing a list of medicines: Prozac, Claritan, Allegra D, Singulair, Propecia, Viagra, and Paxil. At the bottom left, there is a note: "** Use MM/DD/YYYY". At the bottom right, there is a "Submit!" button with a colorful circular icon.

- J) List any 2 benefits of direct manipulation interfaces **(2 Marks)**

END!!!