Code No: 815BN

| | **R13** |

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
MCA V Semester Examinations, August - 2017
HUMAN COMPUTER INTERACTION

Time: 3 Hours   **Max. Marks: 60**

Note: This question paper contains two parts A and B.
Part A is compulsory which carries 20 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 8 marks and may have a, b, c as sub questions.

PART - A

5 × 4 Marks = 20

1.a)   What are the benefits of good design? Discuss.   [4]
  b)   What are the guidelines for displaying graphic components on screen?   [4]
  c)   What are the advantages and disadvantages of frames?   [4]
  d)   Write a brief note on Galaxy scripting language.   [4]
  e)   List the novel pointing devices and explain any two.   [4]

PART - B

5 × 8 Marks = 40

2.   Compare and contrast the differences between GUI and Web user interface.   [8]
                                           OR
3.   State and explain the principles in designing the Xerox STAR.   [8]

4.   Define statistical graphics and explain different types of statistical graphics.   [8]
                                           OR
5.   What are the qualities of screen elements? How they are useful in providing a visually pleasing appearance? Discuss.   [8]

6.   Explain the guidelines for selecting the proper device-based controls.   [8]
                                           OR
7.   Explain different types of Icons and their characteristics.   [8]

8.   Enumerate the role of software engineering tools in building the user interface.   [8]
                                           OR
9.   What are the advantages and disadvantages of state charts? Explain with an example.[8]

10.   Describe the working of Liquid Crystal Display (LCD) devices.   [8]
                                           OR
11.   What are the features of QWERTY Layout? Explain how it is different from ABCDE and DVORAK layouts.   [8]

---oo0oo---