

Code No: 815BN

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**MCA V Semester Examinations, June/July - 2018****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) Explain the brief history of screen design. [4]
- b) Compare and Contrast the GUI and the WUI. [4]
- c) What are the goals of website navigation? [4]
- d) Give a brief note on Galaxy scripting language. [4]
- e) Discuss about LCD's. [4]

PART - B**5 × 8 Marks = 40**

- 2.a) Explain the benefits of good design.
- b) Explain about views. [4+4]

OR

- 3.a) What are the principles of Xerox star?
- b) What are the advantages and disadvantages of graphical systems? [4+4]

4. Explain in detail about interaction styles. [8]

OR

- 5.a) Write the guidelines for intranet and extranet design.
- b) Explain the purpose of screen design. [4+4]

6. Explain in detail about the various device-based controls. [8]

OR

- 7.a) What are the advantages and disadvantages of frames?
- b) Discuss about window components. [4+4]

- 8.a) Explain the role of software engineering tools in building the user interface.
- b) Explain transition diagrams with an example. [4+4]

OR

- 9.a) Discuss about TCL scripting language.
- b) Differentiate javascript and HTML. [4+4]

- 10.a) Give a detailed note about direct control pointing devices.
- b) Write a short notes on helmet mounted displays. [4+4]

OR

11. Explain the following.
 - a) DVORAK layout
 - b) Optical mouse. [4+4]

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