

Code No: 815BN

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**MCA V Semester Examinations, January - 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) What is meant by good user interface? Explain its importance. [4]
- b) Explain about the important human characteristics in design. [4]
- c) Give the guidelines for frames. [4]
- d) Differentiate Java and C++. [4]
- e) What are the various types of printers? Explain. [4]

PART - B**5 × 8 Marks = 40**

- 2.a) Discuss about the popularity of graphics.
 - b) Explain the principles of User interface design. [4+4]
- OR**
- 3.a) Discuss the impact of inefficient screen design.
 - b) Differentiate GUI and Web Design. [4+4]
- 4.a) Explain psychological and physical user responses to poor design.
 - b) What are the characteristics of Novice users? [4+4]
- OR**
5. Explain various qualities which provides visually pleasing composition and give suitable examples for each quality. [8]
- 6.a) Write a short notes on web systems frames.
 - b) What are the constraints in window system design? [4+4]
- OR**
- 7.a) Explain briefly about spin boxes.
 - b) Discuss about window management. [4+4]
8. Discuss the various tools for creating user interfaces. [8]
- OR**
- 9.a) Write a short notes on CASE environments.
 - b) Explain state-chart diagrams with an example. [4+4]
10. Explain the following.
 - a) Magnetic disk drive
 - b) QWERTY layout. [4+4]
- OR**
- 11.a) Write a short notes on speech digitization and generation.
 - b) Give a brief note about CRT display devices. [4+4]

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