

B.Tech IV Year I Semester (R13) Supplementary Examinations June 2017
HUMAN COMPUTER INTERACTION
 (Common to CSE and IT)

Time: 3 hours

Max. Marks: 70

PART – A
 (Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- Explain the benefits of good design.
 - What are the goals of user interface?
 - Explain advantages of graphical system.
 - What is the importance of information processing in designing screen interface?
 - List different types of windows.
 - What are design standards of a user interface?
 - What are operable controls?
 - Explain selecting proper controls.
 - Write short notes on choosing colors for textual graphics screen.
 - Explain the scope of testing.

PART – B
 (Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

- 2 (a) Explain history of screen design.
 (b) Discuss the principles of user interface.
- OR**
- 3 (a) What are the characteristics that direct manipulation should possess?
 (b) Explain differences between GUI and Web Interface design.

UNIT – II

- 4 (a) List and explain the 10 common visibility problems in graphical interface.
 (b) Discuss human interaction speeds in designing of interface.
- OR**
- 5 (a) What are human considerations in designing screen design? Explain.
 (b) Explain the importance of statistical graphics in designing interface.

UNIT – III

- 6 (a) Discuss the characteristics of an window.
 (b) Explain organization of window system function in detail.
- OR**
- 7 (a) Explain the different components of an window.
 (b) Explain windows presentation styles.

UNIT – IV

- 8 (a) Discuss device based control characteristics.
 (b) Explain Text / Read - only controls.
- OR**
- 9 (a) Explain how do we select the proper devices based on controls.
 (b) Explain the combination Entry / Selection controls.

UNIT – V

- 10 (a) What is color? Explain the relationship between color and human vision.
 (b) Explain the importance of icon in designing user interface.
- OR**
- 11 (a) What is testing? Explain the purpose and importance of usability testing.
 (b) Discuss about the developing and conducting the test in detail.
