

B.Tech IV Year I Semester (R13) Supplementary Examinations June 2018

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)
- What is the importance of human computer interaction?
 - Write any two characteristics of graphical user interface.
 - List out the important human considerations in screen design.
 - Draw the sequentiality diagram in visually pleasing composition.
 - List out various window presentation styles.
 - What is a hierarchical menu?
 - What is the use of trackball?
 - Draw the diagram of spin box and explain its purpose.
 - List out the elements in multimedia.
 - How a test plan can be created?

PART – B

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

UNIT – I

- 2 (a) Describe the characteristics of graphical user interface.
(b) Explain the concept of direct manipulation.

OR

- 3 What are graphical systems? Explain the advantages and disadvantages of graphical systems.

UNIT – II

- 4 What are the important human characteristics in design? Explain in detail.

OR

- 5 (a) Explain in detail about the basic business functions.
(b) What are the various features that distract the screen user?

UNIT – III

- 6 (a) Explain in detail about the functions of menus.
(b) Describe briefly about the content of menus.

OR

- 7 List and explain various components of a window in detail.

UNIT – IV

- 8 (a) Define text boxes along with its advantages and disadvantages.
(b) Write a brief note on list boxes.

OR

- 9 Explain the functioning of various device-based controls.

UNIT – V

- 10 What are the various parameters involved in choosing an icon? Discuss.

OR

- 11 Define usability testing. Explain the importance of usability testing.
