

B.E. Eighth Semester (Computer Technology) (C.B.S.)
Elective - III : Human Computer Interface

P. Pages : 2

Time : Three Hours



NKT/KS/17/7602

Max. Marks : 80

- Notes :
1. All questions carry marks as indicated.
 2. Solve Question 1 OR Questions No. 2.
 3. Solve Question 3 OR Questions No. 4.
 4. Solve Question 5 OR Questions No. 6.
 5. Solve Question 7 OR Questions No. 8.
 6. Solve Question 9 OR Questions No. 10.
 7. Solve Question 11 OR Questions No. 12.
 8. Assume suitable data whenever necessary.

1. a) Explain the importance of good user interface & design. Also write the benefits of good design. **7**
b) List & Explain the principles of user interface. **6**
2. a) Write short notes on Direct manipulation & graphical system. **8**
b) Write and explain the history of screen design. **5**
3. a) Discuss in brief about the design process of Human interaction with computers. **7**
b) What is the importance of human characteristics while designing the Human computer interface. **6**
4. Explain the importance Human interaction speeds & understanding of business junctions. **13**
5. a) List & Explain the various Design goals to be considered in Human Computer Interfacing. **5**
b) Write short notes on different technological considerations in interface design. **9**
6. a) What is the importance of good screen navigation & flow in Human computer Interface? **7**
b) Write down the process of ordering screen data & contents in brief. **7**
7. a) Explain the different problems users face while choosing colors. **6**
b) What are the different components used while designing text and messages? **7**
8. a) Write down the criteria for designing new & Navigation schemes selection for a window. **8**
b) How the selection of devices based controls & screen based controls are different? Explain with example. **5**

9. Write short notes. 14
- a) Software Tools.
 - b) Building Tools.
10. a) Write the process for designing Icons Using different colors & multimedia. 7
- b) What are the different methods used for specifying the methods for various software tools. 7
11. a) What are the various tools required for interfacing pointing devices with computers? 6
- b) Write short notes on different image & video display drivers. 7
12. a) Explain **any two** interaction devices used for Human Computer Interface. 13
- a) Keyboard & Function keys.
 - b) Speech recognition.
 - c) Pointing devices.
