

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

P. Pages : 2

Time : Three Hours



TKN/KS/16/7687

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. Due credit will be given to neatness and adequate dimensions.
 9. Assume suitable data whenever necessary.

1. a) Define user interface. What is the importance of good design? Explain. **7**
b) Explain chronological history of graphical user interface. **6**

OR

2. a) What are the characteristics of direct Manipulation? Explain each in detail. **8**
b) Enlist advantages of graphical system. **5**
3. a) Describe common pitfalls in the development path. **6**
b) Enlist different commandments which can be used to eliminate pitfalls in development path. **7**

OR

4. a) What are different contributing factors that apply to traditional business systems. **7**
b) Write short note on:
i) Psychological responses. **6**
ii) Physical responses.
5. a) To make an interface easy and pleasant to use, what design goals are available? **6**
b) How screen data and contents are ordered? Explain. **8**

OR

6. a) Describe various qualities used for providing visually pleasing composition. **7**
b) Write short notes on:
i) Grouping using white spaces. **7**
ii) Grouping using Borders.

7. a) Which series of guidelines is followed for formatting menus. **6**
- b) Write short note on: **8**
- i) Hierarchical menus.
 - ii) Connected menus.

OR

8. a) Enlist advantages and disadvantages of greater depth, along with advantages and disadvantages of greater breadth. **8**
- b) What are common ordering schemes for menus. **6**
9. a) How colors are choose for categories of information. **6**
- b) Explain the concept of Discrimination and Harmony in detail. **7**

OR

10. a) Explain various specification methods in detail. **6**
- b) What are the several factors are available which influence an icon's usability? **7**
11. a) What are various function keys are available on keyboard? Enlist. **5**
- b) Write short noes on: **8**
- i) Direct-control pointing devices
 - ii) Indirect-control pointing devices.

OR

12. a) Explain the process of speech generation in detail. **6**
- b) Define display. Enlist several important characteristics of Displays. **7**
