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

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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.
10. Diagrams and chemical equations should be given whenever necessary.

1. a) Explain Importance and Benefits of good design. **6**

b) Describe various principles of User Interface Design. **7**

OR

2. a) Enlist various characteristics of Graphical User Interface. **7**

b) Differentiate between GUI and web Design. **6**

3. a) Explain general observations about design suggested by Gould (1988). **5**

b) Describe 10 most common usability problems in graphical system. **5**

c) Write a note on Design inconsistency. **3**

OR

4. a) Explain the concept of Human interaction with computers. **6**

b) What is the importance of human characteristics? Explain. **7**

5. a) Describe various actions performed by Human user while interacting with computers. **7**

b) Write a note on consistency. **4**

c) Differentiate Regularity versus irregularity. **3**

OR

6. a) What technological considerations are considered in interface design. **6**

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b)   Write short notes on **any two.**   **8**

    i)   Information retrieval on web.

    ii)   Screen navigation.

    iii)   Groupings.

7.   a)   Explain most common structures of Menus.   **8**

     b)   What are the various elements of menus? Describe each element.   **6**

OR

8.   a)   Enlist what various steps are performed to achieve grouping.   **5**

     b)   Write short note on **any three.**   **9**

    i)   Intent indicators.   ii)   Line separators.

    iii)   Keyboard equivalents.   iv)   Keyboard Accelerators.

9.   a)   What do you mean by Icon Animation and Audition? Explain.   **6**

     b)   Explain the complete process of drawing images.   **7**

OR

10.   a)   What measures are provided to control physical movement disabilities?   **5**

     b)   Describe various guidelines for careful selection and design of Images.   **5**

     c)   Explain three different technical characteristics or qualities of Icons.   **3**

11.   a)   Write a detailed note on Keyboard and keypad.   **7**

     b)   Describe several tasks performed by pointing devices.   **6**

OR

12.   a)   Write notes on following;   **8**

    i)   Continuous – speech recognition.

    ii)   Discrete – word recognition.

     b)   Explain in detail various video display drivers.   **5**

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