

B.E. Seventh Semester (Computer Science & Engineering) (CGS)
10347 : Elective-I : Human Computer Interface : 7 KS / 7 KE 05

P. Pages : 2

Time : Three Hours



AU - 2897

Max. Marks : 80

- Notes : 1. Due credit will be given to neatness and adequate dimensions.
2. Assume suitable data wherever necessary.

1. a) What are the motivations of human factors in design of interactive software? 7
b) List and explain guidelines for data display. 6

OR

2. a) What are the goals of system engineering and user interface design. 7
b) Explain the concept of Balance of automation and human control. 6
3. a) Explain the steps involved in rapid contextual design method. 7
b) List and explain six stages of logical user centered design methodology. 7

OR

4. Explain three pillars of successful interface development in detail. 14
5. a) What is direct manipulation? Explain problems with direct manipulation. 7
b) Explain the concept of virtual environment. 6

OR

6. a) What are the five challenges of programming in the user interface the designer should meet to create a reliable tool. 5
b) What is visual thinking? Explain icons associated with visual thinking. 8
7. a) List six types of interaction tasks associated with pointing devices. 3
b) Explain significance of speech recognition, digitization and generation in human computer interface. 10

OR

8. a) What is response time? Give relationship between response time & display rate. 6
b) List the features of visual display unit. 7
9. a) Explain the personal role of management & elastic window. 7

- b) Explain the coordination for tightly coupled windows. 7

OR

10. a) Discuss synchronous and asynchronous interactions. 7
b) Explain goals of cooperation in brief. 7
11. a) Explain object action interface model for website design. 7
b) Explain the advanced filtering used in information search and visualization. 6

OR

12. a) Explain multimedia document search. 6
b) What are genres and goals for designers? 7

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