B.Tech. (Computer Technology) Seventh Semester (C.B.C.S.)
Elective-V : Human Computer Interface

P. Pages : 2

Time : Three Hours

2621

Max. Marks : 70

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. Assume suitable data whenever necessary.
8. Diagrams and chemical equations should be given whenever necessary.
9. Illustrate your answers whenever necessary with the help of neat sketches.

1.	a)	Describe about I/O channels & Human Memory.	7
	b)	Define Human computer interaction. Discuss the importance of User Interface design.	7

OR

2.	a)	Explain in detail about Reasoning and problem solving.	7
	b)	Distinguish between short term and long term memory. State requirements to perform cognitive walkthrough of a system.	7
3.	a)	Illustrate the iteration and prototyping in interaction design.	7
	b)	Explain the software life cycle model in HCI software process.	7

OR

4.	a)	Explain in detail the interaction design process.	8
	b)	Discuss about the Navigation design.	6
5.	a)	What is a cognitive model? Classify cognitive models and discuss the same.	7
	b)	Explain in detail about the various socio-technical models.	7

OR

6.	a)	Explain how GOMS and the keystroke- level model support the interaction design process.	7
	b)	Discuss about the various organizational issues.	7
7.	a)	List and explain the elements of mobile design.	7
	b)	Explain the various mobile information architecture.	7

OR

8. a) With neat diagram of mobile ecosystem, discuss its platforms and application frameworks.   7

    b) List and explain the elements of mobile interface design.   7

9. a) Discuss in detail the various types of selection patterns.   7

    b) Discuss in detail about the process flow patterns.   7

OR

10. a) Discuss in detail the purpose of drag and drop.   7

    b) Discuss about the various types of inlays.   7

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