CBCS SCHEME

Seventh Semester B.E./B.Tech. Degree Examination, Dec.2024/Jan.2025
User Interface Design

Time: 3 hrs.   Max. Marks: 100

Note: *Answer any FIVE full questions, choosing ONE full question from each module.*

Module-1

1	a.	What is user interface design? Elaborate its importance and benefits.	**(10 Marks)**
	b.	Discuss about the concept of direct manipulation.	**(05 Marks)**
	c.	Provide any ten differences between GUI and web design.	**(05 Marks)**

OR

2	a.	Describe the characteristics of Graphical user interface.	**(10 Marks)**
	b.	Bring out the differences between internet and intranet.	**(05 Marks)**
	c.	Explain the principles of XEROX STAR.	**(05 Marks)**

Module-2

3	a.	Discuss about obstacles and pitfalls in design along with five commandments.	**(10 Marks)**
	b.	Explain the common usability problems.	**(05 Marks)**
	c.	Discuss the method for gaining understanding of users.	**(05 Marks)**

OR

4	a.	Describe the techniques for determining user requirements using direct methods.	**(10 Marks)**
	b.	Provide the guidelines for designing the conceptual model.	**(05 Marks)**
	c.	Discuss about the usage of objects and metaphors in design.	**(05 Marks)**

Module-3

5	a.	With diagrams, illustrate the structures of Menus.	**(10 Marks)**
	b.	Describe different functions performed by the menus.	**(05 Marks)**
	c.	Discuss about the content of menus.	**(05 Marks)**

OR

6	a.	List all graphical menus and explain any one in detail.	**(10 Marks)**
	b.	Illustrate the concept of formatting of menus.	**(05 Marks)**
	c.	Describe any three guidelines in phrasing of menus.	**(05 Marks)**

Module-4

7	a.	With diagram, illustrate different components of a window.	**(10 Marks)**
	b.	Provide various advantages of using windows.	**(05 Marks)**
	c.	Explain the characteristics of window.	**(05 Marks)**

OR

8 a. Discuss about different presentation styles of windows. (10 Marks)
   b. Provide the guidelines for selecting the device based controls. (05 Marks)
   c. Explain the characteristics of touch screen and keyboard. (05 Marks)

Module-5

9 a. What are operable controls? Elaborate the usage of command buttons with guidelines.
      (10 Marks)
   b. Discuss about tool tips and progress indicator controls. (05 Marks)
   c. Briefly explain Radio Button Control. (05 Marks)

OR

10 a. What is the purpose of using prototypes? Explain any two types of prototypes. (10 Marks)
   b. Discuss about the concept of cognitive walkthroughs. (05 Marks)
   c. Write short notes on Usability testing. (05 Marks)

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