

## CBCS SCHEME



15CS832

**Eighth Semester B.E. Degree Examination, July/August 2022**  
**Modern Interface Design**

Time: 3 hrs.

Max. Marks: 80

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

**Module-1**

- 1 a. Interpret the term user interface. Bring out atleast six advantages and disadvantages of Graphical User Interface. (08 Marks)
- b. Bring out the comparison of printed page versus web page. (08 Marks)

OR

- 2 a. Discuss in detail the need and essential features of direct manipulation and indirect manipulation for graphical systems. (08 Marks)
- b. Briefly elaborate the general principles of User Interface Design (any 8). (08 Marks)

**Module-2**

- 3 a. List out the common pitfalls required in development path of the design process. Also, interpret the five commandments in designing for people. (08 Marks)
- b. Summarize the common usability problems in Web Based Systems (any 8) (08 Marks)

OR

- 4 a. Describe in detail, the important human characteristics in User Interface Design. (08 Marks)
- b. Elaborate the guidelines for designing the conceptual models. (08 Marks)

**Module-3**

- 5 a. Interpret the structure of Menus with a neat diagram (any four). (08 Marks)
- b. Illustrate at least four guidelines to be followed in phrasing of menus during the development of system menus. (08 Marks)

OR

- 6 a. Represent the various kinds of Graphical menus and explain any two in detail. (08 Marks)
- b. Summarize the components of a web Navigation system with illustration. (08 Marks)

**Module-4**

- 7 a. Summarize the various characteristics of a window. (08 Marks)
- b. Identify the different windows management schemes? Illustrate any two of schemes. (08 Marks)

OR

- 8 a. Bring out the advantages and disadvantages of Frames in Web Systems. (08 Marks)
- b. Summarize in detail about the types of windows with suitable examples (any four). (08 Marks)

**Module-5**

- 9 a. What are operable controls? Summarize usage of buttons along with their advantages and disadvantages. (08 Marks)
- b. Illustrate cognitive walk throughs, think aloud evaluations and usability tests conducted in User Interface Design. (08 Marks)

1 of 2

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OR

- 10 a. Interpret the following controls with a suitable example for each:
  - (i) Check boxes.
  - (ii) Tools tips.
  - (iii) Progress indicators.
  - (iv) Date-picker
- b. Illustrate any two types of testing prototypes used in User Interface Design. (08 Marks)

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# CBCS SCHEME

15CS832

**Eighth Semester B.E. Degree Examination, Feb./Mar. 2022**

## Modern Interface Design

Max. Marks: 80

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

### Module-1

- 1 a. Define user Interface. Briefly explain the advantages of GUI. (10 Marks)
- b. Differentiate between GUI and Web Interface. (06 Marks)

OR

- 2 a. Briefly explain the general principles of user Interface Design. (10 Marks)
- b. Describe the characteristics of GUI. (06 Marks)

### Module-2

- 3 a. Describe in detail, the important human characteristics in user Interface Design. (10 Marks)
- b. Briefly explain the guidelines for designing conceptual models. (06 Marks)

OR

- 4 a. Discuss the web usability characteristics in detail. (08 Marks)
- b. Explain the recommended direct methods for getting input from users. (08 Marks)

### Module-3

- 5 a. Describe the structure of menus. (10 Marks)
- b. Briefly about the web navigational problems. (06 Marks)

OR

- 6 a. Briefly explain the various ways in which menu items can be selected. (10 Marks)
- b. Discuss the several general link guidelines. (06 Marks)

### Module-4

- 7 a. With an example to each, explain the components of a window. (10 Marks)
- b. Briefly explain the different window presentation styles. (06 Marks)

OR

- 8 a. Write short note on : i) Property sheets ii) Property Inspectors. (06 Marks)
- b. Briefly explain the characteristics of Device – Based controls. (10 Marks)

### Module-5

- 9 a. List and explain the various presentation controls. (08 Marks)
- b. Briefly describe the heuristic Evaluation process. What are its advantages? (08 Marks)

OR

- 10 a. What is the need of usability test? Explain the process involved in developing and conducting a test. (08 Marks)
- b. Write notes on :
  - i) Think – Aloud Evaluations
  - ii) Cognitive Walk – Throughs.

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(08 Marks)