

**Eighth Semester B.E. Degree Examination, June/July 2019**  
**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. Explain the Importance and Benefits of good user Interface Design. (04 Marks)
- b. Write any four differences between GUI and Webpage Design. (04 Marks)
- c. Explain in detail, the characteristics of GUI. (08 Marks)

**OR**

- 2 a. Explain the concept of Direct Manipulation for Graphical Systems. (04 Marks)
- b. Discuss the characteristics of Intranet and Internet and bring out the differences between them. (04 Marks)
- c. Discuss the general principles of User Interface Design (any 8). (08 Marks)

**Module-2**

- 3 a. List and explain the five commandments in designing for people. (06 Marks)
- b. Describe in detail, the important human characteristics in user Interface Design (any five). (10 Marks)

**OR**

- 4 a. Explain the common usability problems in web based systems. (06 Marks)
- b. Explain the techniques for determining the user requirements using Indirect methods. (10 Marks)

**Module-3**

- 5 a. Explain the structure of Menus with illustrations. (06 Marks)
- b. Describe the components of a Web Navigation System with illustration. (10 Marks)

**OR**

- 6 a. Describe the functions of Menus. (06 Marks)
- b. List all kinds of Graphical Menus and explain any one in detail. (10 Marks)

**Module-4**

- 7 a. Explain the components of a window with example. (08 Marks)
- b. Discuss briefly about the types of windows with examples (any four). (08 Marks)

**OR**

- 8 a. Describe overlapping windows and tiled windows presentation styles with examples. (08 Marks)
- b. Explain the characteristics of touch Screen and keyboard. (08 Marks)

**Module-5**

- 9 a. Explain Radio Buttons and List Boxes selection controls. (08 Marks)
- b. Explain any two types of testing prototypes used in User Interface Design. (08 Marks)

**OR**

- 10 a. Explain Slider and Tree View operable controls. (08 Marks)
- b. Explain Cognitive Walkthroughs, Think aloud Evaluations and Usability tests conducted in user Interface Design. (08 Marks)