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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)

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)

(08 Marks)
