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15CS832

Eighth Semester B.E. Degree Examination, July/August 2021
Modern Interface Design

Time: 3 hrs.

Max. Marks: 80

Note: Answer any FIVE full questions.

1 a. Discuss any four general principles of UID. **(08 Marks)**
   b. Write any four differences between GUI and Web Page Design. **(08 Marks)**

2 a. List and explain the characteristics of GUI. **(09 Marks)**
   b. Explain any four advantages and disadvantages of graphical systems. **(07 Marks)**

3 a. Explain five commandments that are considered for designing for the people. **(08 Marks)**
   b. According to Theo Mandel, which are the most common usability problems? List them. Explain any three. **(08 Marks)**

4 a. Explain the techniques for determining the user requirements using indirect method. **(08 Marks)**
   b. What are the guidelines to be followed during detailed interface design that are valuable to the users and developer? Explain. **(08 Marks)**

5 a. Explain the functions of menus. **(06 Marks)**
   b. Explain briefly any two kinds of graphical menus with neat diagrams. **(10 Marks)**

6 a. Describe the components of a web navigation system with illustration. **(08 Marks)**
   b. What are the elements of menu content? Explain. **(08 Marks)**

7 a. Explain any two window management schemes. **(08 Marks)**
   b. Explain how windows are useful. **(08 Marks)**

8 a. Write the advantages and disadvantages of Franus in web systems. **(08 Marks)**
   b. Write a note on: (i) Touch screen   (ii) Trackball **(08 Marks)**

9 a. Explain the following controls with an example for each:
       (i)   Check Boxes
       (ii)   Spin Boxes
       (iii) Scroll Bars
       (iv)   Balloon tips **(08 Marks)**
   b. What are operable controls? Explain the purpose, advantages, disadvantages and usage of text boxes. **(08 Marks)**

10 a. Explain cognitive walkthroughs, think aloud evaluation tests conducted in UID. **(08 Marks)**
   b. Explain any two types of testing prototypes. **(08 Marks)**

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