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GBCS SCHEME

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15CS832

Eighth Semester B.E. Degree Examination, Dec.2019/Jan.2020
Modern Interface Design

Time: 3 hrs. Max. Marks: 80

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

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.

Module-1

1 a. Define user interface. Explain its two essential components. Describe the various factors of user interface design that needs to be considered by Human computer interaction designers. **(08 Marks)**

b. List and explain the characteristics of graphical user interface. **(08 Marks)**

OR

2 a. What are the benefits of good design? **(03 Marks)**

b. Define object in graphical system. Differentiate between application and data orientation. **(04 Marks)**

c. Write atleast six differences between GUI and Web interface. **(09 Marks)**

Module-2

3 a. List and explain the pitfalls in development path of the design process. **(08 Marks)**

b. "Human are complex organisms with a variety of attributes that have an important influence on interface and screen design". Justify and explain. **(08 Marks)**

OR

4 a. Explain few significant direct techniques for determining business requirements. **(08 Marks)**

b. What a note on guidelines that must be followed during detailed interface design that are valuable for users and developers. **(08 Marks)**

Module-3

5 a. Explain and illustrate structure of menus. **(08 Marks)**

b. What are the elements of menu contents? Explain. **(08 Marks)**

OR

6 a. Describe at least four guidelines to be followed in phrasing of menus during the development of system menus. **(08 Marks)**

b. List and explain Navigational goals of well designed navigational system. **(08 Marks)**

Module-4

7 a. What is the importance of windows? Explain atleast four components of windows. **(08 Marks)**

b. What are different windows management schemes? Discuss any two of the schemes. **(08 Marks)**

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OR

8 a. Briefly explain the general guidelines followed in designing of windows operations. **(05 Marks)**

b. Describe the guidelines for selecting the proper device-based controls. **(08 Marks)**

c. List at least three advantages and disadvantages of frames in web systems. **(03 Marks)**

Module-5

9 a. What are operable controls? Explain usage of buttons along with their advantages and disadvantages. **(08 Marks)**

b. Explain the following controls with an example for each :
i) Radio buttons
ii) Check Boxes
iii) Tools Tips
iv) Progress indicators. **(08 Marks)**

OR

10 a. Explain the propose of prototypes. Discuss any two kinds of prototypes with their importance to the system developers. **(08 Marks)**

b. Write a note on think-Aloud –Evaluations and usability test. **(08 Marks)**

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