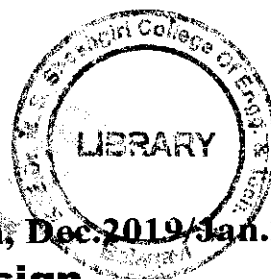


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Eighth Semester B.E. Degree Examination, Dec. 2019/Jan. 2020 Modern Interface Design

Time: 3 hrs.

Max. Marks: 80

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

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)

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)
