

CBCS Scheme

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16MCA454

Fourth Semester MCA Degree Examination, June/July 2018 Principles of User Interface Design

Time: 3 hrs.

Max. Marks: 80

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

Module-1

- 1 a. What are usability goals and goals for requirement analysis? (08 Marks)
b. Explain the usability motivations for interface design. (08 Marks)

OR

- 2 a. Explain personality differences and international diversity. (08 Marks)
b. List and explain eight golden rules of interface design. (08 Marks)

Module-2

- 3 a. With a neat diagram, explain the four pillars of user interface development. (08 Marks)
b. Explain the steps involved in rapid contextual design method. (08 Marks)

OR

- 4 a. Explain any five methods used in the evaluation during active use. (08 Marks)
b. Explain in detail any five forms of usability testing. (08 Marks)

Module-3

- 5 a. Explain any five examples of direct manipulation. (10 Marks)
b. Discuss problem involved with direct manipulation. (06 Marks)

OR

- 6 a. Explain the elements of form fill-in design guidelines. (10 Marks)
b. Briefly explain guidelines for dialog box design. (06 Marks)

Module-4

- 7 a. Discuss the command organization strategies and structure. (08 Marks)
b. Discuss the pointing tasks involved with pointing devices. (08 Marks)

OR

- 8 a. What is response time? Explain the variability in response time. (08 Marks)
b. Explain the bases of preparing error messages. (08 Marks)

Module-5

- 9 a. Discuss the advantages and disadvantages of online versus paper documentation. (08 Marks)
b. Compare and contrast reading from paper versus display. (08 Marks)

OR

- 10 a. Explain the challenges in information visualization. (08 Marks)
b. Explain about multimedia document searches. (08 Marks)

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification number to evaluator and/or computer written on 47-8 = 50 will be treated as malpractice.