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10MCA455

Fourth Semester MCA Degree Examination, December 2012
Principles of user Interface Design

Time: 3 hrs.

Max. Marks:100

Note: Answer any FIVE full questions.

- 1 a. Discuss the different usability motivations. (10 Marks)
b. What are the guidelines for data display? (05 Marks)
c. Explain the four – level conceptual, semantic, syntactic and lexical model. (05 Marks)
- 2 a. Explain the eight golden rules of interface design. (10 Marks)
b. Discuss the three pillars of design. (10 Marks)
- 3 a. What is necessity of expert reviews? Explain different expert review methods. (10 Marks)
b. Discuss software engineering tools for building user interface. (10 Marks)
- 4 a. Discuss the problem involved with direct manipulation. (10 Marks)
b. Give guideline for dialog box design. (05 Marks)
c. Explain types of single menu. (05 Marks)
- 5 a. Explain the abbreviation strategies and guideline for using abbreviation. (10 Marks)
b. Discuss the direct and indirect control pointing devices. (10 Marks)
- 6 a. Discuss short – term memory and working memory. (10 Marks)
b. Explain the guidelines for color, in interactive interface. (10 Marks)
- 7 a. Explain the positive and negative effects of online facilities. (10 Marks)
b. What is coordination of multiple windows? Discuss important co-ordinations. (10 Marks)
- 8 a. Explain the multimedia document search. (10 Marks)
b. Explain the challenges for information visualization. (10 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, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.