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10MCA455

Fourth Semester MCA Degree Examination, June 2012
Principles of User Interface Design

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions.

- 1 a. Briefly explain the goals of user interface design. Discuss all usability motivations. (10 Marks)
b. Explain all the guidelines for user interface and design. (10 Marks)
- 2 a. What are the eight golden rules of interface design? (10 Marks)
b. With a suitable diagram, discuss the three pillars of design. (10 Marks)
- 3 a. Mention the evaluation techniques during active use. Discuss in detail. (10 Marks)
b. Discuss briefly about all the specification methods. (10 Marks)
- 4 a. Discuss in detail about direct manipulation. Explain any two examples of direct manipulation. (10 Marks)
b. Give the internal layout of dialog box guidelines. (04 Marks)
c. Explain briefly about single menus. (06 Marks)
- 5 a. Explain the importance of natural language in computing. (10 Marks)
b. Discuss briefly about pointing devices. (10 Marks)
- 6 a. Write in detail models of response-time impacts and variability in response time. (10 Marks)
b. What are the Guidelines/Recommendations will you follow to create error messages. Explain. (10 Marks)
- 7 a. Distinguish paper versus on line manuals. (10 Marks)
b. Compare and contrast reading from paper versus display. (10 Marks)
- 8 Write short notes on:
a. Expert reviews
b. Form fillings
c. Participatory design.
d. Window design. (20 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.