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06IS765

Seventh Semester B.E. Degree Examination, December 2011
User Interface Design

Time: 3 hrs.

Max. Marks:100

Note: Answer any FIVE full questions, selecting at least TWO questions from each part.

PART – A

- 1 a. What is meant by a consistent user interface? Explain the five measurable human factors to evaluate user interface. (06 Marks)
b. List and explain the goals of system engineering in the user interface design. (06 Marks)
c. Explain the eight golden rules of the user interface designing. (08 Marks)
- 2 a. What are the high level theories needed to describe the multiple aspects of interactive systems? (08 Marks)
b. Describe the three pillars of design. (08 Marks)
c. Design 'ethnographic observation' for the user interface design. (04 Marks)
- 3 a. Explain the different variety of expert review methods. (05 Marks)
b. Briefly explain the features of user-interface building tools. (08 Marks)
c. What is meant by direct manipulation systems? Explain three examples of it. (07 Marks)
- 4 a. State the importance of 'visual thinking and icons'. (04 Marks)
b. Briefly explain the task-related organization of menu-structure design, with an example. (10 Marks)
c. List and explain the guidelines for menu selection. (06 Marks)

PART – B

- 5 a. Briefly explain the strategies and guidelines for using the abbreviations. (08 Marks)
b. What kinds of task pointing devices are applicable? Explain the indirect control pointing devices. (08 Marks)
c. Briefly explain the important features of visual display units. (04 Marks)
- 6 a. What are the error message guidelines for end product and for the development process? (10 Marks)
b. What different guidelines must be considered while writing user manual. (10 Marks)
- 7 a. Briefly explain the multiple window design concept. (10 Marks)
b. Explain the image browsing by tightly-coupled windows. (10 Marks)
- 8 Write short notes on the following :
a. Object action interface model for web site design
b. Legal issues of user interface
c. Evaluation during active use
d. Speech recognition. (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.