Seventh Semester B.E. Degree Examination, June/July 2013

User Interface Design

Time: 3 hrs.

Max. Marks:100

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

PART – A

1 a. Explain with an example, the different goals of system engineering. **(10 Marks)**
   b. List all the stages of action models. **(04 Marks)**
   c. Explain how to achieve the consistency through grammars. **(06 Marks)**

2 a. Explain with a figure, the three pillars of successful user-interface development. **(10 Marks)**
   b. What are the legal issues which are emerged in the user interface design? **(06 Marks)**
   c. List all the expert review methods. **(04 Marks)**

3 a. What are the features of user-interface building tools? **(06 Marks)**
   b. List all the advantages of WYSIWYG. **(04 Marks)**
   c. Explain with a figure, the OAI model for direct manipulation. **(10 Marks)**

4 a. Explain the different approaches for accommodating the menu items for frequent users. **(10 Marks)**
   b. What are the basic goals of language design? **(06 Marks)**
   c. What are the potential strategies for abbreviations? **(04 Marks)**

PART – B

5 a. Explain the different features of keyboards and function keys. **(10 Marks)**
   b. Explain the different display technologies used in the design of user interfaces. **(10 Marks)**

6 a. Explain the different principles that reveal the complexity of the designers task. **(10 Marks)**
   b. What are the guidelines, benefits and dangers of using color? **(10 Marks)**

7 a. List all the steps involved in writing user documentation. **(06 Marks)**
   b. What are the contents of a window interface objects? **(04 Marks)**
   c. Explain with a figure, the image browsing in tightly-coupled windows. **(10 Marks)**

8 Write short notes on:
   a. Genres and goals for designers
   b. Task objects and actions
   c. Design issues
   d. Web-page design. **(20 Marks)**

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