USN ☐☐☐☐☐☐☐☐☐☐

06IS765

Seventh Semester B.E. Degree Examination, December 2010
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 are the goals of user interface design? Mention the associated measurable human factor. **(08 Marks)**
   b. Briefly explain how motivation for human factor is designed for
      i) User with disabilities ;   ii) Elderly users. **(08 Marks)**
   c. List the stages of action models. **(04 Marks)**

2 a. What are three principles under human factors of interactive software? Explain the first principle. **(10 Marks)**
   b. With a neat diagram, explain the three pillars of user interface design. **(10 Marks)**

3 a. Briefly explain variety of expert – review methods. **(08 Marks)**
   b. List the features of user – interface tools. **(04 Marks)**
   c. What are direct manipulation systems? Mention its drawback. Briefly explain the OAI model of direct manipulation. **(08 Marks)**

4 a. What are the different ways to represent menu systems? Brief each of them. **(08 Marks)**
   b. Briefly explain the fast movement through menus. **(06 Marks)**
   c. Enumerate the guidelines for form Fillin design. **(06 Marks)**

PART – B

5 a. Explain the different strategies for command organization. **(07 Marks)**
   b. Briefly explain the benefits of structure. **(05 Marks)**
   c. Explain with suitable examples, different pointing devices. **(08 Marks)**

6 a. Briefly explain : i) Speech store and forward ; ii) Speech generation. **(06 Marks)**
   b. What are different display technologies? Brief them. List the features of VDU. **(10 Marks)**
   c. Define Response time and display rate. **(04 Marks)**

7 a. What are guidelines to be followed when constructing error messages? Brief each, with suitable examples. **(08 Marks)**
   b. List the guidelines that highlight the potential benefits and dangers of using color coding. **(08 Marks)**
   c. Compare and contrast the reading from paper   .from display. **(04 Marks)**

8 a. Briefly explain on-line facilities. **(05 Marks)**
   b. Explain the coordinated window using tight coupling among windows. **(10 Marks)**
   c. Write notes on OAI model, for web design. **(05 Marks)**

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