

USN

--	--	--	--	--	--	--	--	--	--

06IS765

**Seventh Semester B.E. Degree Examination, January 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. Briefly explain the goals of system engineering. (04 Marks)  
b. Describe four prime sources for motivation for human factors in design, brief each one. (06 Marks)  
c. Explain principles of design that are applicable in most interactive system based on principle – Z. (10 Marks)
- 2 a. With suitable diagram, explain three pillars of user interface design. (10 Marks)  
b. Briefly explain: i) Expert reviews; ii) Usability testing and laboratories. (10 Marks)
- 3 a. Describe interface-building tools. Explain briefly the features of user interface building tools. (10 Marks)  
b. Define direct-manipulation system. List the examples of direct-manipulation, brief any three of them. (10 Marks)
- 4 a. Explain three approaches used for Fart movement through Menus. (10 Marks)  
b. List the strategies for command organization brief each of them. (05 Marks)  
c. Briefly explain Benefits of structure. (05 Marks)

**PART – B**

- 5 a. Explain direct and indirect pointing devices. Give suitable examples. (10 Marks)  
b. Briefly explain: i) Speech generation; ii) Display technologies. (10 Marks)
- 6 a. Explain non-anthropomorphic design. (06 Marks)  
b. List the guidelines, potential benefits and dangers of using color coding. (10 Marks)  
c. List forms of paper user manual and online materials. (04 Marks)
- 7 a. Explain co-ordination by tightly coupled windows. (10 Marks)  
b. Write a note on : i) on-line facilities; ii) elastic windows. (10 Marks)
- 8 a. Identify the categories of web sites. Briefly explain each category. (10 Marks)  
b. How OAI model encourages designers of web sites? Explain with suitable example. (10 Marks)

\* \* \* \* \*

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.

