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13MCA355

**Third Semester MCA Degree Examination, Dec.2016/Jan.2017**  
**Principles of User Interface Design**

Time: 3 hrs.

Max. Marks:100

**Note: Answer any FIVE full questions.**

- 1 a. Discuss the various usability motivations for user interface design. (10 Marks)  
b. Explain the guidelines for organizing the display. (10 Marks)
- 2 a. With a neat diagram, explain the four pillars of user interface development. (10 Marks)  
b. Discuss the Guidelines for documents and process. (10 Marks)
- 3 a. Briefly explain the variety of expert Reviews methods in evaluating multiple designs. (10 Marks)  
b. Explain the various types of usability testing. (10 Marks)
- 4 a. Explain the advantages of WYSIWYG word processor. (10 Marks)  
b. Discuss about the combination of multiple menus. (10 Marks)
- 5 a. Discuss command Language strategies and structure. (10 Marks)  
b. Briefly explain about Naming and abbreviations. (10 Marks)
- 6 a. List and explain the seven types of interaction task used for pointing devices. (08 Marks)  
b. Write short notes on :  
i) Keyboard Layout (06 Marks)  
ii) Voice Information System. (06 Marks)
- 7 a. Explain the bases for preparing error messages. (10 Marks)  
b. Write briefly about coordinating multiple windows supported by interface developers. (10 Marks)
- 8 a. Write the disadvantages of reading from display. (06 Marks)  
b. Explain about shaping the content of the documentation. (10 Marks)  
c. Write short notes on online documentation. (04 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.