



13MCA355

Third Semester MCA Degree Examination, June/July 2019

## Principles of User Interface Design

Time: 3 hrs.

Max. Marks:100

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

- 1 a. Discuss different usability motivations. (10 Marks)  
b. What are eight golden rules for interface design? (10 Marks)
- 2 a. Describe the four pillars of design with a neat diagram. (10 Marks)  
b. Write a note on Ethnographic observation development methodologies. (10 Marks)
- 3 a. Explain the methods used in the evaluation during active use. (10 Marks)  
b. Discuss the varieties of expert review methods. Explain briefly. (10 Marks)
- 4 a. Discuss in detail about direct manipulation. Describe any two examples of direct manipulations. (12 Marks)  
b. Briefly explain the guidelines for form fill-in. (08 Marks)
- 5 a. Discuss the pointing tasks involved with pointing devices. (10 Marks)  
b. Explain abbreviations strategies and guideline for using abbreviations. (10 Marks)
- 6 a. Explain color guidelines for interactive interface. (10 Marks)  
b. What are the guidelines for effective error messages? (10 Marks)
- 7 a. Compare and contrast reading from paper versus display. (10 Marks)  
b. Explain seven data types by task taxonomy. (10 Marks)
- 8 Write short notes on:  
a. Legal issues of user interface  
b. Online tutorials  
c. Usability goals  
d. Form-fill-in (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.