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Fourth Semester MCA Degree Examination, May/June 2010
Principles of User Interface Design

Time: 3 hrs.

Max. Marks:100

Note: Answer any FIVE full questions.

- 1 a. What are the goals of system engineer in user interface design? Explain. (10 Marks)
b. Specify and explain the golden rules of interface design. (10 Marks)

- 2 a. Explain the different stages of software development methodology. (10 Marks)
b. What are the varieties of review method? Explain briefly. (05 Marks)
c. What are the goals of survey? Give brief explanation. (05 Marks)

- 3 a. Briefly explain various design specification methods. (10 Marks)
b. Discuss problems with direct manipulation systems. (10 Marks)

- 4 a. Explain briefly different types of menus. (10 Marks)
b. Give any ten important guide lines for form fillin design. (10 Marks)

- 5 a. Discuss direct and indirect control pointing devices. (10 Marks)
b. What are the limitations of short term and working memory? Discuss with an example. (10 Marks)

- 6 a. What are the recommendations that are followed for the development of effective messages? Explain. (10 Marks)
b. Describe in brief guidelines we must follow using colors. (10 Marks)

- 7 a. Explain different usages of online facility. (10 Marks)
b. Discuss multiple window design in detail. (10 Marks)

- 8 Write short notes on :
a. Prevention of errors
b. Social impact statement for early design review
c. Virtual environments
d. Speech recognition. (20 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 = / will be treated as malpractice.

