



CBCS SCHEME

18MCA552

USN

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Fifth Semester MCA Degree Examination, Feb./Mar.2022

Principles of User Interface Design

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

- 1 a. What are the five measurable human factors are control to evaluation? Explain. (10 Marks)
b. Briefly explain the concept of motivations in human factors in design. (10 Marks)

OR

- 2 a. Explain the concepts of principles in PUID. (10 Marks)
b. Briefly explain the concepts of Goals of our profession. (10 Marks)

Module-2

- 3 a. Explain the different stage of LUCID. (10 Marks)
b. Explain the concept of Ethnographic observation. (10 Marks)

OR

- 4 a. Explain the scenario development in PUID. (10 Marks)
b. Explain the variety of expert-reviews methods. (10 Marks)

Module-3

- 5 a. Explain any five advantages of WYSIWYG word and processor. (10 Marks)
b. Explain OAI model explanation of direct manipulation. (10 Marks)

OR

- 6 a. Explain five challenges of programming in User Interface (PITUI). (10 Marks)
b. Explain Marcus applies semiotics as a guide to four levels of icons design. (10 Marks)

Module-4

- 7 a. Explain direct control pointing devices and comparisons of pointing devices. (10 Marks)
b. Explain Filt's law in pointing devices. (10 Marks)

OR

- 8 a. Explain limitations of short-term and working memory in theoretical foundation. (10 Marks)
b. What are the primary factors influences user's expectations and attitudes regarding response time? (10 Marks)

Module-5

- 9 a. Briefly explain the concept of reading from paper versus from display. (10 Marks)
b. Explain with a neat diagram, use of the OAI model to design manuals. (10 Marks)

OR

- 10 a. Which are the great attraction to making technical manuals available on the computer. (10 Marks)
b. Briefly explain the concept of online tutorials demonstrations and animations. (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.