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Question Paper Code : 21497

B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2013.

Seventh Semester

Computer Science and Engineering

IT 2024/IT 604 — USER INTERFACE DESIGN

(Common to Sixth Semester Information Technology)

(Regulation 2008)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Define User interface.
2. What is direct manipulation? Give an example.
3. Name the types of methods for determining business requirement analysis on user interface design.
4. What are the components of a web navigation system?
5. What are the windows presentation styles?
6. List the various device based controls.
7. What do you mean by accessibility?
8. State the advantages of using icons in user interface?
9. Mention the scope of testing the user interface.
10. What do you mean by visualization?

PART B — (5 × 16 = 80 marks)

11. (a) Explain the characteristics of graphical user interface. (16)

Or

(b) Discuss the characteristics and principles used in web user interface design. (16)

12. (a) Describe the important human characteristics in interface design. (16)

Or

(b) Explain the visually pleasing composition in screen design. (16)

13. (a) Explain the components of windows. (16)

Or

(b) Describe the screen based presentation controls used in user interface design. (16)

14. (a) (i) Explain the concept of using text for web pages. (8)

(ii) Discuss the Guidance and Assistance to the users in a UI design. (8)

Or

(b) (i) Describe the issues of internationalization in user interface. (8)

(ii) Write a note on choosing colors for textual graphic screen. (8)

15. (a) (i) Write a note on usability test guidelines. (8)

(ii) Explain the prototypes used in User interface. (8)

Or

(b) (i) Describe the four phases of frameworks used to clarify user interfaces for textual search. (8)

(ii) Explain briefly the concept of hypermedia. (8)