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B.E./B.Tech. DEGREE EXAMINATION, APRIL/MAY 2008.

Seventh Semester

(Regulation 2004)

Computer Science and Engineering

CS 1015 — USER INTERFACE DESIGN

(Common to Information Technology)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Define User Interface.
2. Compare direct manipulation and indirect manipulation.
3. List the content of menus.
4. State any two obstacles encountered in uses interface design.
5. List the windows presentation styles.
6. What are the presentation controls?
7. What is accessibility?
8. What are the three properties of a color?
9. Define Hypermedia.
10. What are the four phases frameworks to clarify user interfaces for textual search?

PART B — (5 × 16 = 80 marks)

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

Or

(b) Explain the characteristics of web interface. (16)

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

Or

(b) Explain the following :

(i) Structures of menus (8)

(ii) Phrasing the menu. (8)

13. (a) Describe the components of a window. (16)

Or

(b) Discuss the various window operations. (16)

14. (a) (i) Explain the concept of providing the proper feedback to the users for an action. (8)

(ii) Discuss the guidelines used to select text for web pages. (8)

Or

(b) (i) Discuss the things to be avoided while using colors in screen design. (8)

(ii) Discuss the icon design guidelines. (8)

15. (a) Discuss the visualization data types and tasks. (16)

Or

(b) Explain the factors in choosing user-interface building tools. (16)