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Question Paper Code : 31497

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2013.

Seventh Semester

Computer Science and Engineering

IT 2024/IT 604/10144 CSE 36 – USER INTERFACE DESIGN

(Common to Sixth Semester Information Technology)

(Regulation 2008/2010)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. List common pitfalls in the user interface design process.
2. Differentiate each of the following :
 - (a) printed pages, web pages.
 - (b) Intranet versus Internet.
3. Create a list of six 'top usability tips' for designers who wish to build multimedia objects for the web.
4. What is meant by improper and proper presentation of command buttons? Give example instances.
5. Illustrate the impact of inefficient screen design.
6. What do you mean by accessibility?
7. How does multimedia development software, such as Flash, encourage 'design abuse'?
8. How can web authors ensure their pages comply with standards?
9. Define the terms: HTML validation; and CSS validation.
10. State the points to be noted in choosing images as icons.

PART B — (5 × 16 = 80 marks)

11. (a) Compare and contrast the graphical user interface and the web user interface.

Or

- (b) Elaborate on the general principles of User Interface design.

12. (a) Discuss the following, with respect to screen design process.

(i) Screen navigation and flow. (8)

(ii) Grouping for visual pleasing composition. (8)

Or

- (b) (i) Discuss the user's characteristics that have an influence on interface and screen design. (8)

(ii) You have been assigned responsibility for designing the user interface of a new version of the Indian government web facility that is used by taxpayers to make their income tax returns online. What usability analysis procedures might you carry out to improve usability of the system for these two classes of user? (8)

13. (a) Describe in detail window management schemes.

Or

- (b) Briefly explain device based controls and screen based controls.

14. (a) (i) What should be considered for providing effective feedback? (8)

(ii) How is guidance and assistance helpful in managing errors? (8)

Or

- (b) Discuss the issues to be considered in choosing colors for statistical graphic screens.

15. (a) State the problems in search facilities, and explain the search facility guidelines in detail.

Or

- (b) (i) Write a note on technical and usage-related website navigational issues and problems. (8)

(ii) Elaborate on components of a web navigation system. (8)