

26/11/13

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B.E / B.Tech (Full Time) DEGREE END SEMESTER EXAMINATIONS, NOV / DEC 2013

INFORMATION SCIENCE AND TECHNOLOGY

25

VII Semester

IT9028 - User Interface design

(Regulation 2008)

Time: 3 Hours

Answer ALL Questions

Max. Marks 100

PART-A (10 x 2 = 20 Marks)

1. Define Human-Computer interaction? What are the two components in User Interface?
2. Justify why direct manipulation is not feasible for all screen objects and actions.
3. What is meant by Auto Skipping?
4. What are guidelines for Designing Conceptual Models?
5. What is known as tear-off menu?
6. Write a note on slider guidelines?
7. How the errors are reduced in UI by providing guidance and assistance to user.
8. How will you choose color for textual graphic screens?
9. What is the purpose of Usability test?
10. What is meant by heuristic evaluation process?

Part - B (5 x 16 = 80 marks)

11. i Explain briefly about the Characteristics of GUI. (8)
ii Write a detail note on Characteristics of Web User Interface. (8)
12. a) What is requirement analysis? What are the methods involved in it? What is the impact of it on UI design? (16)
(OR)
b) Explain development and guidelines for designing conceptual model. (16)
13. a) i Explain briefly about the presentation styles of window? (8)
ii Explain about window management? (8)
(OR)
b) Explain briefly about the formatting and structure of menus and how they can be phrased. (16)
14. a) i Explain the need for collecting feedback and discuss how it improves the user interface design. (8)
ii Define Multimedia and discuss its characteristics and usage in interface design. (8)

(OR)

- b) i. Explain in detail about the process of choosing color. (8)
- ii. The E-Conditioner is a Computer controlled thermostat. Thermostats to control central heating and cooling in a house or apartment. A user will be able to control their thermostat remotely and wirelessly from a tablet-PC-like device. This device could be used within the apartment / house or it could be taken with you to control the temperature at home while you are on vacation somewhere else. Draw it well enough aligned and must satisfy all guidelines in UID. Defend your design and convince it is the most appropriate one. (8)

15. a) i. Write a note on Scope of Testing? (8)
- ii. Write a note on information Search? (8)

(OR)

- b) Explain the different kinds of test in detail? (16)