B.E / B.Tech (Full Time) DEGREE END SEMESTER EXAMINATIONS, APRIL / MAY 2013

INFORMATION TECHNOLOGY

Seventh Semester

IT 9028 USER INTERFACE DESIGN

(Regulation 2008)

Time: 3 Hours   Answer ALL Questions   Max. Marks 100

PART-A (10 x 2 = 20 Marks)

1. What are the principles of GUI design?

2. What are the human characteristics in design?

3. What is a message? What are the different types of message?

4. Define the terms: Usability, Usability test

5. What is known as icons?

6. What is meant by hyper media?

7. What is the purpose of usability tests in menu design?

8. What is meant by dithering?

9. What is meant by a conceptual model?

10. What is the difference between windows guidelines and web page guidelines?

Part – B (5 x 16 = 80 marks)

11. What is requirement analysis? How is it done? What are the impacts of it in UI design?

12. a) Explain the role of human computer interaction? What is the need for it? How is this concept applied?

OR

    b) Explain in detail the device based controls. What are the guidelines for selecting proper device based controls?

13. a) Explain in detail about menu design? Explain in detail about menu formats and menu navigation schemes.

OR

    b) What is text? Explain in detail the types of presentation controls.

14. a) What is the role of multimedia in interface design? What are the multimedia

components and explain its role in multimedia based design.

OR

b)

Explain in detail the feedback control mechanisms in multimedia design.

15. a) What are the design standards in user interface evaluation? Explain in detail.

OR

b) What is a heuristic evaluation? Explain it with illustrative examples.