



B.TECH DEGREE EXAMINATIONS: MAY 2015

(Regulation 2013)

Fourth Semester

INFORMATION TECHNOLOGY

U13ITT403:User Interface Design

Time: Three Hours

Maximum Marks: 100

Answer all the Questions:-

PART A (10 x 1 = 10 Marks)

1. Which one of the following is an Incremental action for direct manipulation?
 - a) reversible
 - b) irreversible
 - c) remembered
 - d) destroyed
2. User focuses on _____ for Web user interface.
3. What among the following is an indirect method for getting input from users?
 - a) phone interview
 - b) focus groups
 - c) field study
 - d) electronic survey
4. The human interaction speed for reading a text on monitor is _____ words/minute.
5. What among the following is not a presentation control?
 - a) list box
 - b) group box
 - c) balloon tip
 - d) tooltip
6. Windows manipulation is less confusing with _____ document interface.
7. What among the following help is another form of online documentation?
 - a) contextual
 - b) reference
 - c) task oriented
 - d) tool oriented
8. _____ represents texture mapping in choosing colors.
9. What among the following is a visualization technology for viewing 3D models?
 - a) product
 - b) knowledge
 - c) information
 - d) educational
10. Silk test is a tool designed for the purpose of _____ testing.

PART B (10 x 2 = 20 Marks)

(Not more than 40 words)

11. What is HCI? How is it related to UI?
12. List the features for the popularity of WUI.
13. Define usability. List any two measures for usability.
14. List the types of menus used in user Interface design.
15. Give the presentation styles of windows.
16. Specify the need of text boxes is designing an UID.
17. What are the factors influencing the usability of Icons?
18. Define internationalization.
19. Specify the need for prototypes.
20. What are the techniques used for information searching?

PART C (5 x 14 = 70 Marks)

(Not more than 400 words)

Q.No. 21 is Compulsory

21. a) (i) Discuss about the usage of hypermedia for UI development. (7)
(ii) Explain the factors in choosing among UI building tools . (7)

22. a) (i) Compare the characteristics of GUI and WUI. (10)
(ii) List the advantages and disadvantages of GUI (4)

(OR)

b) (i) Explain in detail about the principles of user interface design. (10)
(ii) Compare and Contrast Intranet Vs. Internet (4)

23. a) (i) Explain with an example about human considerations in designing a screen. (12)
(ii) List the steps to understand business functions. (2)

(OR)

b) (i) Explain in detail about the types of graphical menus with examples. (10)
(ii) Brief about formatting of Menus with example. (4)

24. a) Explain in detail about types of windows and windows operations.

(OR)

- b) (i) Discuss the characteristics of device based controls. (7)
- (ii) Brief about Selection Controls. (7)

25. a) Explain about various categories, characteristics and design guidelines of Icons.

(OR)

- b) (i) Describe about multimedia and its types. (7)
- (ii) Write Short notes on guidance and assistance for UI development. (7)
