VIT UNIVERSITY (Estd. u/s 3 of UGC Act 1956)

Summer Term End Examination - July 2013

Class NBR : 1458 Slot : B

Course Code : ITE210

Course Title : Human Computer Interaction

Time: Three Hours Max.Marks:100

$PART - A (8 \times 5 = 40 Marks)$

Answer ALL Questions

- 1. Compare and contrast the motivating factors between the industrial, commercial systems with the office and entertainment systems.
- 2. Discuss the concept of Perception and its need to design an interface.
- 3. "If something goes wrong, the test participant will have some reaction on face and on screen." Justify this statement with respect to evaluation strategy.
- 4. Illustrate Heuristic evaluation strategy with examples.
- 5. Briefly explain the pros and cons of V-shaped model.
- 6. List the various Interaction types available and brief the same.
- 7. Specify the need for contextual menus.
- 8. Classify the following into Similes and Metaphors:
 - a) It's been a hard day's night, and I've been working like a dog. [1]
 - b) My heart is like an open highway. [1]
 - c) A heart of stone. [1]
 - d) She is my East and my West, my compass. [1]
 - e) During the night the forest was a dark, frightening battlefield. [1]

PART - B (6 X 10 = 60 Marks)

Answer any SIX Questions

- 9. "You have surfed the net and you have found a website which you felt would help you with whatever you have searched for. But when you entered the site, you got irrelevant information." To prevent these stuffs what should have been done while developing. Discuss in detail the strategy which you feel should have been followed.
- 10. In a company, the interfaces designed by the designer need to be evaluated for the verification of consistency and unusual patterns. Hence they call out for Consistency Inspection. You need to design the interface for the following problem definition. The company follows a "Bird's-eye view" inspection technique.

"A web portal has to be designed for a restaurant in your city. The major functionality is to view the various menus available and to order the same either to be delivered at home or to be reserved at the restaurant when u reach there at a particular time."

- 11. Conduct a HTA for an alumni get together during summer, from the point where the alumni coordinator plans the date, place of stay to the point where they go and enjoy the get together and return back. Identify at least 5 tasks. Every task has to have sub-tasks (at least 2 levels). Give the textual as well as diagrammatic representation.
- 12. Create a paper storyboard for the following problem definition.
 - "A web portal has to be designed for a Clinic for the purpose of maintenance of accounts and the patient details".
- 13. Discuss the various interaction tasks applicable for pointing devices.
- 14. Analyze the usage of colors and guidelines to be followed for their usage in the interfaces.
- 15. Certain features need to be considered in an authoring tool. Discuss them in detail.
- 16. Write short notes on:

a) Sound tips for internet
b) Pixels
c) Pixel Depth.
[3]

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