

Term End Examination - November 2013

Course : ITE210 - Human Computer Interaction Slot: B1+TB1

Class NBR : 3844 / 3848

Time : Three Hours Max.Marks:100

NOTE: i) Use colors to highlight HCI in your diagrams.

ii) Answer the questions by points.

PART – A (8 X 5 = 40 Marks) Answer ALL Questions

- 1. List the goals of user interface design.
- 2. Define usability testing. List basic equipments needed for formal usability test.
- 3. Distinguish between acceptance testing and system testing.
- 4. Elucidate the low fidelity prototype and high fidelity prototype with example.
- 5. Discuss various layouts of keyboard.
- 6. "During the night the forest was a dark, frightening battlefield" Where you find it easy to justify in concern with smiles or metaphors? Justify.
- 7. Explain meta search tools.
- 8. Discuss the importance of color in web design.

$PART - B (6 \times 10 = 60 \text{ Marks})$

Answer any SIX Questions

- 9. Discuss the challenges with respect to performance models.
- 10. Few practices need to be adopted for yielding a best survey report. Discuss.
- 11. Conduct a HTA for a Movie Show (e.g. For Harry Potter Movie), from the point where the customer visits the mall or books online based on the availability of tickets to the point where the person returns back after watching the movie. 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. a) Define interaction design. List the goals of interaction design.

b) Discuss the types of interaction design with example.

[5]

[5]

- 13. Explain incremental SDLC model with example. Specify the advantages, disadvantages and when to use it?
- 14. Justify the statement "Speech recognition still does not match the fantasy of science fiction."
- 15. Write short notes on the following:
 - a) Database Query Language. [4]
 - b) Pixel and Pixel Depth. [3]
 - c) Sampling. [3]
- 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 where the user should be allowed to know the tourist places available in a particular city, state or country."

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