

IV B.Tech I Semester Regular Examinations, November 2005
HUMAN COMPUTER INTERACTION
(Computer Science & Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. Explain the principle3 “Prevent errors”? (16M)
2. Explain the role of usability testing in user interface design? (16M)
3. (a) Using direct manipulation system how to manage spatial data? (8M)
(b) Give the advantages of WYSIWYG? (8M)
4. Explain different types of menus? (16M)
5. Explain the conditions for optimum problem solving. (16M)
6. What is the importance of training user interface? Explain different types of user manuals and online materials? (16M)
7. What is the coordination by tightly coupled windows. (16M)
8. What is the importance of searching? Explain different task actions. (16M)

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1. How organizational design supports usability? (16M)
2. Explain how expert reviews help in designing and developing? (16M)
3. What is the use of interface building tools? Also explain features of those tools? (16M)
4. Explain different types of menus? (16M)
5. Write about
 - (a) Digital photography and scanners (8M)
 - (b) Digital Video (8M)
6. In presentation styles what is the role of error messages? (16M)
7. Differentiate individual and multiple windows. (16M)
8. Explain about multimedia document searches. (16M)

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1. Explain the guidelines for data display and data entry? (16M)
2. Explain how expert reviews help in designing and developing? (16M)
3. (a) Using direct manipulation system how to manage spatial data? (8M)
(b) Give the advantages of WYSIWYG? (8M)
4. Explain different types of menus? (16M)
5. Explain the conditions for optimum problem solving. (16M)
6. Do colors improve task performance of interactive system? Explain. (16M)
7. Explain steps for multiple window design. (16M)
8. What is the importance of searching? Explain different task actions. (16M)

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1. Describe goals of user interface design? (16M)
2. Explain how expert reviews help in designing and developing? (16M)
3. (a) Explain about VisiCalc spreadsheet and its descendants? (8M)
(b) Write few notes on CAD? (8M)
4. Explain the benefits of structural analysis in command languages. Explain different types of structures? (16M)
5. Write brief notes on keyboards, keyboard layouts, keys and function keys? (16M)
6. In presentation styles what is the role of error messages? (16M)
7. What is the coordination by tightly coupled windows. (16M)
8. Explain about multimedia document searches. (16M)
