

IV B.Tech II Semester Regular Examinations, Apr/May 2006
HUMAN COMPUTER INTERACTION
(Information Technology)

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. Do you think a software intensive system need a good user interface? If yes why?
Explain the terms of user interface design? (16M)
2. Explain the role of usability testing in user interface design? (16M)
3. Explain direct manipulation programming? (16M)
4. Explain different types of menus? (16M)
5. Write about
 - (a) Digital photography and scanners (8M)
 - (b) Digital Video (8M)
6. What is the role of displays in interactive system? (16M)
7. What is the coordination by tightly coupled windows. (16M)
8. What is hypermedia and hypertext differentiate? (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. What is the use of interface building tools? Also explain features of those tools? (16M)
4. Explain different types of menus? (16M)
5. Explain about printing devices its criteria, different types, performance? (16M)
6. What is the role of displays in interactive system? (16M)
7. What is the coordination by tightly coupled windows. (16M)
8. Explain about multimedia document searches. (16M)

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1. Describe goals of user interface design? (16M)
2. How surveys help in better designing? (16M)
3. Describe the factors in choosing any user interface building tools? (16M)
4. (a) What is meant by natural language in computing? (8M)
(b) Explain about natural language interaction? (8M)
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. Explain steps for multiple window design. (16M)
8. Explain what is filtering in information visualization? (16M)

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1. How to accommodate human diversity in user interface design? (16M)
2. Explain the role of usability testing in user interface design? (16M)
3. Give OAI model explanation of direct manipulation? (16M)
4. What is task related organization? Give its importance? (16M)
5. Give simple model of system response time and user think time. Explain it. (16M)
6. What is the importance of training user interface? Explain different types of user manuals and online materials? (16M)
7. Explain face-to-face interactions. (16M)
8. What is the importance of searching? Explain different task actions. (16M)
