

Code No: 07A7EC40

**R07****Set No. 2**

**IV B.Tech I Semester Examinations, November 2010**  
**HUMAN COMPUTER INTERACTION**  
**Information Technology**

**Time: 3 hours****Max Marks: 80**

**Answer any FIVE Questions**  
**All Questions carry equal marks**

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1. (a) Explain briefly about Java?  
(b) Write the difference between Java and c++? [8+8]
2. (a) Discuss the goals of website navigation?  
(b) Discuss about the website navigation design? [6+10]
3. Discuss about data, Objects, Container, Objects and device objects? [16]
4. (a) What are the characteristics of novice users?  
(b) What is the importance of user's tasks and needs important in design of a system? [8+8]
5. (a) Write short notes on navigation flow?  
(b) Discuss about navigation schemes
  - i. Top to bottom flow
  - ii. Left to Right flow. [8+8]
6. (a) How to store the speech?  
(b) How to forward the speech?  
(c) How to generate the speech? [5+5+6]
7. (a) Write short notes on Foregrounds and Backgrounds of colors?  
(b) How to create 3-D look on a screen? [8+8]
8. (a) State and explain various principles of Xerox star?  
(b) Discuss about telnet? [8+8]

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**R07****Set No. 4**

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**Information Technology**

**Time: 3 hours****Max Marks: 80**

**Answer any FIVE Questions**  
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1. Write short notes on drivers? [16]
2. (a) Discuss briefly about menu selection style?  
 (b) What are the advantages of menu selection and dialog box trees? [8+8]
3. (a) How to plan the screen?  
 (b) What is the purpose of screen design? [8+8]
4. (a) Explain about window characteristics?  
 (b) Write short notes on components of windows? [8+8]
5. (a) Discuss about users knowledge and experience in the design of business system?  
 (b) Explain about novice, intermediate and expert users? [8+8]
6. (a) Discuss about object Orientation?  
 (b) Discuss the following object relationships?  
     i. Collections  
     ii. constraints  
     iii. composites  
     iv. containers.  
     [8+8]
7. (a) Discuss about photographs/pictures?  
 (b) What are uses of the diagrams?  
 (c) What are the required features of diagrams? [8+4+4]
8. (a) Explain about Netscape Navigator?  
 (b) Explain the brief history of screen design? [8+8]

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**R07****Set No. 1**

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**Information Technology**

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1. (a) What characteristics that differ in web Interface and GUI?  
 (b) What are the several interaction styles? [8+8]
2. Explain the following:  
 (a) To choose an icon.  
 (b) To choose an icon image.  
 (c) To create an icon image.  
 (d) To draw icon images. [4+4+4+4]
3. (a) What are the displays/read only screens?  
 (b) How to organize the displays/ read only screens? [8+8]
4. (a) Discuss about projector television system?  
 (b) Explain about head-up display projects?  
 (c) Discuss about helmet mounted displays? [5+5+6]
5. (a) How to describe the choices in check boxes?  
 (b) What are the advantage and disadvantages of palettes? [8+8]
6. (a) Discuss about the users psychological characteristics in the design of a system?  
 (b) How the users physical characteristics that affect their performance with a system? [8+8]
7. (a) Give an example on the Microsoft Visual Basic Design?  
 (b) Give an on Borland Delphi Design?  
 (c) Give an example on Symantec Visual Caf Design? [5+5+6]
8. Given an example regarding the development of screen design? [16]

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**R07****Set No. 3**

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**Information Technology**

**Time: 3 hours****Max Marks: 80**

**Answer any FIVE Questions**  
**All Questions carry equal marks**

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1. (a) Discuss briefly about kinds of icons?  
(b) Write the characteristics of icons? [8+8]
2. (a) Explain about display photography and scanners?  
(b) Discuss briefly about digital video? [8+8]
3. (a) Discuss about displays/ read-only screens?  
(b) Discuss about Web pages and Web sites?  
(c) Discuss briefly about the Web structure? [5+5+6]
4. (a) Discuss about earlier direct manipulation system?  
(b) Why should we go for indirect manipulation? [8+8]
5. (a) Discuss briefly about the important human characteristics in design of a system?  
(b) How the perception is important in design? [8+8]
6. (a) Write short notes on software engineering tools?  
(b) How to construct more robust systems using software engineering tools? [8+8]
7. (a) How to select proper controls?  
(b) Compare GUI controls. [8+8]
8. (a) Discuss about 1970s screen design?  
(b) Discuss about 1980s screen design?  
(c) Discuss about 1990s screen design? [5+5+6]

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