

Code No: 07A7EC40

R07**Set No. 2**

IV B.Tech I Semester Examinations, May 2011
HUMAN COMPUTER INTERACTION
Information Technology

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
 All Questions carry equal marks

1. 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]
2. (a) Write short notes on text entry/read only controls? [8+8]
 (b) Discuss in details about text boxes? [8+8]
3. (a) Compare performance (vs.) preference? [8+8]
 (b) What are the methods for gaining understanding users? [8+8]
4. (a) Discuss about GUI navigation elements? [16]
 (b) Discuss about web navigation elements? [16]
5. (a) Write short notes on CASE environments? [8+8]
 (b) Discuss briefly about specification methods? [8+8]
6. (a) Discuss about
 - i. Textual displays
 - ii. Graphical and web displays.
 (b) How to Order the data and content on the screen? [10+6]
7. Given an example regarding the development of screen design? [16]
8. (a) Explain about continuous speech recognition? [8+8]
 (b) Compare discrete word recognition and continuous recognition? [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
All Questions carry equal marks

1. (a) Discuss about HTML?
(b) Why some previous systems should be unusable? [8+8]
2. (a) What are the different specification methods?
(b) Discuss about Backus normal form? [8+8]
3. (a) Discuss about cognitive processing?
(b) Discuss briefly about human interaction speeds? [8+8]
4. (a) What are the design characteristics that aid in maintaining a sense of place?
(b) Explain about the screen controls? [8+8]
5. (a) Explain about the type of statistical graphics?
(b) Discuss the technological considerations in interface design? [8+8]
6. Discuss about:
 - (a) Pointing Devices.
 - (b) Graphics Tablet.
 - (c) Touch Pad.
 - (d) Fitts Law. [6+3+3+4]
7. What are the most significant differences that exist between GUI v/s webpage Design? [16]
8. (a) Explain briefly about Monochromatic screens?
(b) How to choose the colors for textual graphic screens? [8+8]

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R07

Set No. 1

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Information Technology

Time: 3 hours

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All Questions carry equal marks

1. (a) How to select the menus? Discuss in details.
(b) Discuss advantages and disadvantages of menu selection? [8+8]
2. Write short notes on drivers? [16]
3. (a) Explain briefly about Java?
(b) Write the difference between Java and c++? [8+8]
4. (a) Discuss about drop-down, pop-up list boxes?
(b) Explain briefly about spin boxes? [8+8]
5. (a) Discuss the following in respect to designing a web site?
 - i. Browsing
 - ii. Search facilities.(b) Discuss about typography? [8+8]
6. (a) How to discriminate the colors?
(b) What is meant by Harmony? Explain? [8+8]
7. Compare 1970s, 1980 and 1990s screen design? [16]
8. (a) What is the difference between foveal and peripheral vision?
(b) Discuss briefly about
 - i. Mental models
 - ii. Movement control. [8+8]

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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

1. (a) What style we are used to collecting the information?
 (b) What is direct manipulation? [8+8]
2. (a) What are the displays/read only screens?
 (b) How to organize the displays/ read only screens? [8+8]
3. (a) Explain briefly about TCP/IP?
 (b) Discuss briefly about ARPANET? [8+8]
4. (a) How the content and text is arranged for web pages?
 (b) How to provide page title to a webpage? [8+8]
5. (a) Write the transition diagram of simple menu system?
 (b) What components are used to design the transition diagram? [8+8]
6. (a) Explain about list boxes?
 (b) Write short notes on list view controls? [8+8]
7. (a) How to recognize speech?
 (b) How many variations are there in speech technology?
 (c) Discuss briefly about discrete word recognition? [4+6+6]
8. (a) How to develop conceptual models?
 (b) How to develop and apply design standards (or) guide lines? [8+8]
