

Code No: M1224/R07

Set No. 1

IV B.Tech I Semester Regular Examinations, November 2012
HUMAN COMPUTER INTERACTION
(Information Technology)

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. Is good design of user interface important? What comprises a good design? Explain clearly. [16]
2. (a) Compare the print page design and web page design
(b) What is meant by extranet? How it is different from internet? [10+6]
3. (a) Discuss how the user's tasks and needs are important in user interface design
(b) Discuss how the user's physical characteristics can also greatly affect their performance with a system [8+8]
4. State and explain various qualities which provides visually pleasing composition and give suitable examples for each quality [16]
5. Distinguish between the tiled windows, overlapping windows and cascading windows and explain how a particular style can be picked. [16]
6. (a) What objectives are served by graphics in web pages? Give a brief explanation about each.
(b) Give a brief note about
 - i. GIF and
 - ii. JPEG image formats. [8+8]
7. What are the specification methods followed in building software tools. Give a brief note about each. [16]
8. List the types of interaction tasks, where the pointing devices are applicable. Explain? [16]

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Set No. 2

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HUMAN COMPUTER INTERACTION
(Information Technology)

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. Discuss in detail the importance of the user interface design [16]
2. Describe the following terms in respect of user interface design
 - (a) Configurability
 - (b) Control
 - (c) Directness
 - (d) Efficiency
 - (e) Familiarity
 - (f) Flexibility [2+3+2+3+3+3]
3. Discuss about users tasks and needs which are also important in user interface design [16]
4. (a) Discuss the importance of organizing screen elements clearly and meaningfully in screen design.
(b) Discuss how the screen navigation and flow are required for effective user interface. [8+8]
5. (a) What are the characteristics, advantages and disadvantages of track ball?
(b) Compare the characteristics of key board and mouse. [8+8]
6. (a) What points are to be noted in choosing images as icons?
(b) What points are to be noted in creating images as icons? [8+8]
7. Explain the suitability of C++, developing the software engineering tools to build user-interface. [16]
8. (a) Distinguish between QWERTY and ABCDE style.
(b) What are the function keys? What are their advantages? [8+8]

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Set No. 3

IV B.Tech I Semester Regular Examinations, November 2012
HUMAN COMPUTER INTERACTION
(Information Technology)

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. Is good design of user interface important? What comprises a good design? Explain clearly. [16]
2. Describe the following terms in respect of user interface design
 - (a) Forgiveness
 - (b) Predictability
 - (c) Recovery
 - (d) Responsiveness
 - (e) Simplicity
 - (f) Transparency
 - (g) Trade - off [3+2+2+2+3+2+2]
3. Discuss about users tasks and needs which are also important in user interface design [16]
4. Discuss briefly about intranet and extranet design guidelines. [8+8]
5. (a) What is meant by improper and proper presentation of command buttons? Give example instances.
(b) What is check box? Describe the same. What are its advantages and disadvantages. [8+8]
6. (a) What are the influences on icon usability?
(b) What are size related parameters on choosing icons? [8+8]
7. Give a detailed note about the following specification methods.
 - (a) Grammers
 - (b) Menu-selection and dialog-box trees. [10+6]
8. Give a detailed note about direct control pointing devices. [16]

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Set No. 4

IV B.Tech I Semester Regular Examinations, November 2012
HUMAN COMPUTER INTERACTION
(Information Technology)

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. (a) What is meant by good user interface? discuss its importance
(b) Success of a product/project depends on effective user interface. Discuss [8+8]
2. (a) Compare the print page design and web page design
(b) What is meant by extranet? How it is different from internet? [10+6]
3. Discuss the following physical characteristics of people
(a) Age
(b) Gender
(c) Hearing
(d) Handedness [4 × 4 = 16]
4. State and explain various qualities which provides visually pleasing composition and give suitable examples for each quality [16]
5. (a) What are the characteristics, advantages and disadvantages of track ball?
(b) Compare the characteristics of key board and mouse. [8+8]
6. Discuss and elaborate the issues to be considered in choosing colors for web pages. [16]
7. Explain the role of software engineering tools in building the user interface. [16]
8. Give a brief note about the following display devices
(a) Raster - scan CRT
(b) Liquid - crystal displays (LCD)
(c) Plasma panel [6+5+5]
