Code No: M1224/R07

Set No. 1

IV B.Tech I Semester Supplementary Examinations, March 2013
HUMAN COMPUTER INTERACTION
(Information Technology)

Time: 3 hours

Max Marks: 80

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

1. (a) Discuss the importance of good design, and also benefits of good design

   (b) Write the chronological history of graphical user interfaces [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. (a) State and explain various kinds of knowledge and experiences which should be identified for effective interface design

   (b) Discuss how the user's psychological characteristics are important in user interface design [10+6]

4. State and explain various qualities which provides visually pleasing composition and give suitable examples for each quality [16]

5. (a) What are the typical problems associated with web-site navigation.

   (b) What are workbooks and project methods of window management? [8+8]

6. What are the phases involved in the design process of icons. [16]

7. List and explain about the features of design tools used in user-interface architecture.

   [16]

8. Give a brief note about the following

   (a) Keys

   (b) Function keys [8+8]

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Code No: M1224/R07

Set No. 2

IV B.Tech I Semester Supplementary Examinations, March 2013
HUMAN COMPUTER INTERACTION
(Information Technology)

Time: 3 hours
Max Marks: 80

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

1. (a) Discuss the impact of ineffecient screen design on processing time with an example

   (b) Discuss the chronological history of the internet [8+8]

2. (a) What is meant by a graphical user interface? And discuss the popularity of graphics

   (b) State and explain various charecteristics of "direct manipuation systems" [8+8]

3. (a) Discuss how the user's tasks and needs are importamt in user interface design

   (b) Discuss how the user's physical characteristics can also greatly affect their performance with a system [8+8]

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 typical problems associated with web-site navigation.

   (b) What are workbooks and project methods of window management? [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. List and explain about the features of design tools used in user-interface architecture.

[16]

8. Categorize the pointing devices based on

   (a) Dimensions of movement

   (b) Physical device attributes

   (c) Positioning

   What components on the pointing devices support. [16]

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Code No: M1224/R07

Set No. 3

IV B.Tech I Semester Supplementary Examinations, March 2013
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 improtant? 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 indetail the human interation speeds for various tasks.

   (b) State and explain various direct methods for determining requirements of a business system. [10+6]

4. State and explain various qualities which provides visually pleasing composition and give suitable examples for each quality [16]

5. What are the characteristics of device-based controls? Identify the devices which support the respective characteristics. [16]

6. What is an icon? What are the kinds of icons? Explain about each kind. [16]

7. What are the specification methods followed in building software tools. Give a brief note about each. [16]

8. (a) Explain how the speaker-dependent training of discrete word speech recognition is done.

   (b) What are the applications of speech recognition sub system in interaction?

   [8+8]

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Code No: M1224/R07

Set No. 4

IV B.Tech I Semester Supplementary Examinations, March 2013
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 improtant? What comprises a good design? Explain clearly. [16]

2. (a) Compare the application oriented approach and object oriented approach in designing GUI. [8]

   (b) Discuss the following principles of user interface design

      i. Transparency
      ii. Simplicity
      iii. Responsiveness
      iv. Recovery [4 × 2 = 8]

3. What is meant by a conceptual model? Explain the guide lines for designing conceptual models for the user interface. [16]

4. Discuss the techniques used for visual emphasis of important elements on a screen. [16]

5. Explain the issues that are to considered in website organization. [16]

6. (a) What are the issues to be considered in choosing proper words.

   (b) What are common message types, explain briefly. [8+8]

7. List the alternative software architecture to choose from, in developing user-interface-building tools. Explain briefly. [16]

8. Categorize the pointing devices based on

   (a) Dimensions of movement

   (b) Physical device attributes

   (c) Positioning

   What components on the pointing devices support. [16]

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