Code No: 07A80503 | R07 | Set No. 2

IV B.Tech II Semester Examinations,APRIL 2011
HUMAN COMPUTER INTERACTION
Computer Science And Engineering

Time: 3 hours   Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

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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) What techniques we are used to collect the information from users?
   (b) Recommend some direct methods for getting the input from users.
   (c) What indirect methods are used as intermediately between developer and user?
                                                          [5+5+6]

3. (a) What are the factors among user interface building tools?
   (b) What widgets are supported in user interface building tools?   [8+8]

4. (a) How to describe the choices in check boxes?
   (b) What are the advantage and disadvantages of palettes?   [8+8]

5. (a) Discuss about anthromorphic interface.
   (b) Discuss advantages and disadvantages of anthromorphic.   [8+8]

6. (a) Discuss about intranet design guide lines.
   (b) Discuss about extranet design guide lines.   [8+8]

7. (a) State and explain various principles of Xerox star?
   (b) Discuss about telnet?   [8+8]

8. (a) When should the speech generation is preferable.
   (b) Explain about audio tones.
   (c) Discuss about audiolization and music.   [3+5+8]

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Code No: 07A80503　　　　　**R07**　　　　　**Set No. 4**

IV B.Tech II Semester Examinations,APRIL 2011
HUMAN COMPUTER INTERACTION
Computer Science And Engineering

Time: 3 hours　　　　　　　　　　　　　　　　Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks
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1. (a) How to test a good design of screen?

   (b) What should users do when interacting with computers?　　　　[8+8]

2. (a) Give a simple example to describe about transition diagrams.

   (b) Give a sample transition diagram for file manipulation actions.　　[8+8]

3. (a) How many types of memories are there and explain about them?

   (b) What is visual acuity? Explain.　　　　　　　　　　　　　[8+8]

4. (a) Explain about list boxes.

   (b) Write short notes on list view controls.　　　　　　　　　[8+8]

5. (a) Briefly explain about novel pointing devices.

   (b) Explain about BOOM.　　　　　　　　　　　　　　　　[8+8]

6. (a) How to discriminate the colors?

   (b) What is meant by Harmony? Explain.　　　　　　　　　　[8+8]

7. (a) Explain about Netscape Navigator?

   (b) Explain the brief history of screen design?　　　　　　　　[8+8]

8. (a) Explain about attributes of an object.

   (b) Discuss Application Orientation (vs.) Object Orientation.　　　[8+8]

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Code No: 07A80503 **R07** **Set No. 1**

IV B.Tech II Semester Examinations,APRIL 2011
HUMAN COMPUTER INTERACTION
Computer Science And Engineering

Time: 3 hours Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

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1. (a) Discuss about cognitive processing.

   (b) Discuss briefly about human interaction speeds. [8+8]

2. (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]

3. (a) In which screen design HTML is used and discuss about it?

   (b) Explain about hypertext? [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 present and write a text on the screen?

   (b) Write short notes on:

      i. Window title

      ii. conventions

      iii. sequence control guide. [8+8]

6. (a) Discuss briefly about state charts.

   (b) Show the state chart of simple bank transition system showing grouping of states? [8+8]

7. (a) How to select proper controls?

   (b) Compare GUI controls. [8+8]

8. (a) Discuss about sophisticated visual presentation.

   (b) Discuss about visualization. [8+8]

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Code No: 07A80503 **R07** **Set No. 3**

IV B.Tech II Semester Examinations,APRIL 2011
HUMAN COMPUTER INTERACTION
Computer Science And Engineering

Time: 3 hours Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

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1. (a) Discuss the difference between intranet, internet and extranet?
   (b) Discuss about World Wide Web? [8+8]

2. (a) What are the components that are used in web navigation system?
   (b) Discuss about the navigation elements.
   (c) Discuss about some of the other website navigation elements. [8+8]

3. (a) Discuss briefly about kinds of icons.
   (b) Write the characteristics of icons. [8+8]

4. (a) Write short notes on navigation flow.
   (b) Discuss about navigation schemes:
      i. Top to bottom flow
      ii. Left to Right flow. [8+8]

5. Discuss about the types of performance loads. [16]

6. (a) Write short notes on software engineering tools?
   (b) How to construct more robust systems using software engineering tools?[8+8]

7. (a) Explain about continuous speech recognition.
   (b) Compare discrete word recognition and continuous recognition. [8+8]

8. (a) Discuss advantages and disadvantages of form fill in.
   (b) Discuss advantages and disadvantages of direct manipulation. [8+8]

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