BACHELOR IN INFORMATION TECHNOLOGY (BIT)

Term-End Examination

December, 2011

CSI-16 : HUMAN COMPUTER INTERFACE

00591

Time : 3 hours   *Maximum Marks : 75*

Note :   *There are 2 sections in this paper. Section A is **Compulsory**. Attempt **any three** questions from Section B.*

SECTION - A

1.   Expand and mention the usage of the following :

   (a)   DHTML   **5x2=10**

   (b)   VR

   (c)   OOUI

   (d)   WYSIWYG

   (e)   RAD

2.   For each of the following statements, state whether True or False :   **5x1=5**

   (a)   Trackball is an output device.

   (b)   JCL stands for Job Control Language.

   (c)   Mac Paint is a Graphics oriented design interface.

   (d)   Head mounted display serves as both an input and output device.

   (e)   Agents are computational entities which analyze user activities and user products.

3. (a) Enumerate the various trends which will   8
       shape the nature of computing, and by
       which HCI is affected.

   (b) What is information visualization ? Explain   7
       it with the help of an example.

Section - B

Answer *any three* questions from this section (numbered 4 to 7.)

4. (a) Discuss various steps involved in the user interface design of a Real time system application. 8

    (b) Explain briefly the "Virtual Reality". 7

5. (a) List some of the classic examples that serve as extended examples of HCI design (Category-wise). 7

    (b) Explain the role of HCI for an e - Commerce application. 8

6. (a) Explain the importance of HCI in context to the visually challenged to use the interactive enquiry system at a railway enquiry counter, especially designed to suit their needs. 8

    (b) Explain briefly the concept of computer mediated communication. 7

7. (a) Explain the GUI of any popular operating system. 7

    (b) Explain how GUI testing should be carried out for any client/server application. 8