

**Bachelor in Information Technology (BIT)**

**Term-End Examination**

**June, 2007**

**CSI-16 : HUMAN COMPUTER INTERFACE**

*Time : 3 Hours*

*Maximum Marks : 75*

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

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**SECTION A**

1. Expand and mention the usage of the following :
  - (i) UI
  - (ii) OOU
  - (iii) VR
  - (iv) CAD
  - (v) HTML
  
2. For each of the following statements, state whether True or False : 5×1=5
  - (i) Human Computer Interaction is a discipline concerned with the design, evaluation and implementation of interactive computing systems for human use.
  - (ii) HCI in the large is an interdisciplinary area.
  - (iii) Trackball and TrackPoint are output devices.
  - (iv) Headphones are input devices.
  - (v) Radio buttons, command buttons and text boxes are the software elements called as controls.
  
3. List the various steps involved in the User Interface design cycle and explain each step briefly with the help of an example interface.

**SECTION B**

Answer any **three** questions from this section.

4. Explain the importance of HCI with context to the blind people. Discuss, what should be the essential features for such systems to be used by them. 15
5. Discuss the role of HCI with suitable example/case study for each : 5×3=15
- (a) E-Banking
  - (b) E-Mail
  - (c) Automatic Railway Enquiry System
6. Discuss the evolution of User Interface from the earlier days. Also give suitable examples of operating systems/applications in context to your answer for all the types of interfaces. 15
7. (a) With the help of an example/case study explain the importance of Information Visualization. 7
- (b) With the help of an example/case study explain the importance of the embedded computation/systems and user interface design for such systems. 8