

Bachelor in Information Technology (BIT)
Term-End Examination
December, 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.*

SECTION A

1. Expand and mention the usage of the following : 5×2=10
- (i) DHTML
 - (ii) IDE
 - (iii) UML
 - (iv) ASP
 - (v) VR
2. For each of the following statements, state whether true or false : 5×1=5
- (i) GUI stands for Graphical User Interface.
 - (ii) Bar-code reader is an output device.
 - (iii) Menus, command buttons, text boxes and labels are the software elements used for designing the GUI.
 - (iv) MacPaint system is a command oriented system.
 - (v) UNIX is a command driven operating system.
3. (a) Define Virtual Reality. Explain the various devices related to Virtual Reality. 8
- (b) Explain the term "cognitive". Why is the study of cognitive important for the development of a good HCI system ? 7

SECTION B

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

4. Discuss the role of HCI with suitable example/case study for each : 3×5=15
- (a) Search Engine
 - (b) Payment mode for E-Commerce Application
 - (c) Enquiry application of any Bank
5. Discuss the following : 3×5=15
- (a) Computer Aided Manufacturing
 - (b) Ubiquitous computing
 - (c) Embedded computing
6. What should be the significant features for the user interface of a system which supports the hearing impaired ? Explain with the help of an example system. 15
7. (a) Explain how the testing should be carried out for the following user interfaces : 8
- (i) Command driven applications
 - (ii) GUI applications
- (b) List any seven future developments in the area of HCI. 7