00435

ADIT / BIT PROGRAMME

Term-End Examination

December, 2010

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 the following and explain the usage of the following :   5x2=10

(a)   JCL

(b)   MS - DOS

(c)   PDA

(d)   WYSIWYG

(e)   HCI

2. For each of the following statements, state whether true or false :   5x1=5

   (a) A system is adaptive if it changes its behavior by itself.

   (b) Systems that solve a task by themselves, in contrast to cooperative systems are called Autonomous systems.

   (c) Symbolics, Lisp machines, UNIX, multimedia authoring environments are examples of High functionally computer systems and applications.

   (d) Head phones are input devices.

   (e) Scanner is an output device.

3. (a) Enumerate the various trends which will   7
       shape the nature of computing, and by which HCI is affected.

   (b) List any eight future developments in the   8
       area of HCI.

SECTION - B

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

4   Discuss the role of HCI with suitable example /
    case study for each of the following :   3x5=15

    (a)   Feedback form of any website.

    (b)   User Registration form for any E-mail
          account.

    (c)   Interface of an ATM.

5.   (a)   Explain how the testing should be carried   8
           out for user–interface of the GUI
           applications.

     (b)   Explain the important HCI features to be   7
           considered for a university web - site.

6.   Explain the importance of HCI in context to the   15
     visually challenged people (partial / complete).
     Discuss what should be the essential features for
     HCI systems to be used by them.

7   Write short notes on :   3x5=15

     (a)   Ubiquitous computing.

     (b)   Structured approach to HCI design.

     (c)   Information visualization.

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