TE/INSEM./OCT.-146

T.E. (IT)

HUMAN COMPUTER INTERACTION

(2015 Pattern) (Semester - I)

Time : 1 Hour]   *[Max. Marks : 30*

Instructions to the candidates:

    1)   *Answer Q1 or Q2, Q3 or Q4, Q5 or Q6.*

    2)   *Figures to the right side indicate full marks.*

    3)   *Assume suitable data, if necessary.*

Q1) a)   What is HCI? What are disciplines involved in HCI?   **[5]**

     b)   List and explain General Principles of HCI Design.   **[5]**

OR

Q2) a)   Express your opinion with example-"A design should be User-Centric".   **[5]**

     b)   Explain different UCD principles.   **[5]**

Q3) a)   Write short note on: STM and LTM.   **[5]**

     b)   Suggest ideas for an interface which uses the properties of sound effectively.   **[5]**

OR

Q4) a)   "Human emotions play an important role in designing a GUI for any application" Elaborate your answer with example.   **[5]**

     b)   Explain a Model of Structure of Human Memory. What can a system designer do to minimize the memory load of the user? Explain with example.   **[5]**

Q5) a) List different interaction styles. Explain command line interface and menus interface. **[5]**

b) What is WIMP interface? Explain how to use its elements in designing a user interface. **[5]**

OR

Q6) a) Explain the concept of Ergonomics with example. **[5]**

b) Explain paradigms of Interaction design. **[5]**

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