

Total No. of Questions : 4]

SEAT No. :

PE29

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**T.E. (Computer Engg./Computer Science/A.I.D.S/
Computer Science & Engg. In D.S.) (Insem)
HUMAN COMPUTER INTERFACE**

(2019 Pattern) (Semester - I) (310245 (B)) (Elective-I)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) Answer Q1 or Q2, Q3 or Q4.
- 2) Figures to the right indicate full marks.
- 3) Neat diagram must be drawn wherever necessary.
- 4) Make suitable assumption whenever necessary.

Q1) a) Elaborate designing, system architecture, and working Hand Gesture Recognition system using HCI system. [5]
b) Compare between Human and Computer. [5]
c) Which are the applications of HCI in various fields. [5]

OR

Q2) a) Explain human and computer abilities in detail. [5]
b) Discuss about fundamental ability for human-THINKING. [5]
c) Describe human ability-EMOTION in detail. List down various standard human emotions. [5]

Q3) a) Explain the importance of human characteristics in design. [5]
b) Explain the concept of human consideration in design of business system . Explain with suitable example. [5]
c) Which are the tools used for Positioning, Pointing, and Drawing? Explain in detail. [5]

OR

Q4) a) Elaborate different methods of Gaining an Understanding of users. [5]
b) Discuss various design guidelines to have suitable HCI system. [5]
c) Explain design principles in detail. [5]

