

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]

