

Total No. of Questions : 4]

SEAT No. :

P5030

[Total No. of Pages : 1

[6187]-430

T.E. (Computer Engineering) (Insem)

HUMAN COMPUTER INTERFACE

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

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) Answer Q.1 or Q.2, Q.3 or Q.4.
- 2) Figures to the right indicate full marks.
- 3) Neat diagrams must be drawn wherever necessary.
- 4) Assume suitable data, if necessary

- Q1)** a) What is HCI? Explain any two application of HCI. [5]
b) Explain the concept of Ergonomics with example. [5]
c) List and Explain General Principles of HCI. [5]

OR

- Q2)** a) How do we compare human memory abilities and computer memory. Explain [5]
b) Compare and give example of short term memory and long term memory. [5]
c) What is mean by good and poor design and is importance of good design. [5]

- Q3)** a) List different interaction styles. Explain command line interface with advantages and disadvantages. [5]
b) Explain WIMP interface elements. [5]
c) What is Miller's Law? Explain in details. [5]

OR

- Q4)** a) Explain Eight Golden rules of interface design. [5]
b) Explain with example why ensuring Human control while increasing automation. [5]
c) Write short note on:
i) Contextual Theories
ii) Dynamic theories [5]