

Total No. of Questions : 4]

SEAT No. :

PB-381

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B.E. (Artificial Intelligence & Data Science) (Insem)
COMPUTATIONAL INTELLIGENCE
(2019 Pattern) (Semester - VIII) (417530)

Time : 1 Hour]

[Max. Marks : 30

Instructions to Candidates:

- Answer Q1 or Q2, and Q3 or Q4
- Neat diagrams must be drawn wherever necessary
- Figures to Right indicates full Marks

- Q1)** a) Explain various applications of Computational Intelligence. [5]
b) Describe any three paradigm of Computational Intelligence. [6]
c) Difference between Artificial Intelligence and Computational Intelligence. [4]

OR

- Q2)** a) Describe Swarm Intelligence with example? [5]
b) Explain different approaches to computational Intelligence. [6]
c) Enlist & Explain challenges in Computational Intelligence. [4]

- Q3)** a) Explain fuzzy inference with example? [4]
b) Explain Fuzzy Logic controllers with its components? [6]
c) What are member functions, and how are they categorized by type? [5]

OR

- Q4)** a) Difference Between Fuzzification & Defuzzification. [4]
b) Write a Short Note on. [6]
i) Linguistics Variables and Hedges
ii) Fuzzy Rules
c) Explain the characteristics of Fuzzy set? [5]

