

No. of Printed Pages : 03

Roll No.

18G112

B. Tech. EXAMINATION, 2022

(Seventh Semester)

(C Scheme) (Main & Re-appear)

(CSE)

CSE443C

SOFT COMPUTING

Time : 3 Hours]

[Maximum Marks : 75

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

Unit I

1. What is Soft Computing ? Explain soft computing techniques with their advantages and disadvantages. **15**
2. Explain K-means clustering algorithm with example. **15**

Unit II

3. What is Fuzzy Logic ? Explain Fuzzy expert system in detail. **15**
4. Explain Fuzzy relations with fuzzy rules and reasoning. **15**

Unit III

5. Explain Reinforcement learning with suitable example. **15**
6. What is Neural Network ? Explain feed forward network with their advantages and disadvantages. **15**

Unit IV

7. How to implement fuzzy operations using fuzzy logic toolbox ? Explain. **15**
8. What is Genetic Algorithm ? Explain its applications in Machine learning. **15**