

Roll No.

Total No. of Pages : 01

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M.Tech. (CSE) (Sem.-2)

SOFT COMPUTING

Subject Code : MTCS-202-18

M.Code : 76056

Date of Examination : 30-05-23

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE questions out of EIGHT questions.

2. Each question carries TWELVE marks.

1. a) Explain artificial Neural Networks.
b) Discuss the importance of Computational Intelligence.
2. Define fuzzy sets. Explain its properties and operations.
3. Explain fuzzy expert systems with help of example.
4. What are the different types of classifier evaluation techniques? What is social network analysis and how it is closely linked with hyperlink analysis?
5. Write a detailed note on adaptive networks and feed forward networks.
6. a) Explain radial basis function networks.
b) Show with example how Machine Learning is used by data analysts?
7. a) Demonstrate the functioning of Arrays in Python by taking an example.
b) Write the role of selection operator in Genetic Algorithm.
8. Explain the use of function and file for ANN and fuzzy logic in MATLAB.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.