

Roll No.

Total No. of Pages : 01

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M.Tech.(IT) E2(2015 & Onwards)/(CSE Engg.) (2015 to 2017) (Sem.-2)

SOFT COMPUTING

Subject Code : MTCS-202

M.Code : 72886

Time : 3 Hrs.

Max. Marks : 100

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE questions out of EIGHT questions.
2. Each question carries TWENTY marks.

1. Explain Artificial Neural Network supervised learning. Write its applications. 20
2. What is learning? Explain different types of learning. 20
3. Define fuzzy logic also explain fuzzy decision making. 20
4. What is Fuzzy sets? Explain the characteristics of Fuzzy sets. 20
5. Explain the concepts of Traditional optimization and constraints in GA. 20
6. Explain :
 - (a) Arithmetic operations. 10
 - (b) Search space 10
7. What are the applications of fuzzy logic? Also explain Neuro-fuzzy Hybrid system. 20
8. Write short notes on :
 - (a) Fuzzy qualifier. 10
 - (b) Multi-valued logic. 10

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.