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Total No. of Pages : 01

Total No. of Questions : 08

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.

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| 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.

