Roll No. | | | | | | | | | | | | |

Total No. of Pages : 01

Total No. of Questions : 08

M.Tech EPDT (Sem.–1)

SOFT COMPUTING TECHNIQUES

Subject Code : MTEP-PE2A-18

Paper ID : [75232]

Time : 3 Hrs. Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :
1.Attempt any FIVE questions out of EIGHT questions.
2.Each question carries TWELVE marks.

Q1. a) Discuss about the Support Vector Machines in detail.

b) Write a brief note on In star and out star learning rules in supervised learning.

Q2. a) Discuss about Widrow and Huff LMS learning rule.

b) Explain in detail K mean clustering algorithm.

Q3. Distinguish between supervised, unsupervised and reinforcement learning with suitable examples.

Q4. a) Discuss in detail Kolwner's feature maps.

b) Write a note on Fuzzy system design.

Q5. a) What are the basic learning laws in RBF network?

b) Discuss about recurrent back propagation in detail.

Q6. Write a note on the evolution of genetic algorithms.

Q7. a) What are counter propagation networks? Discuss about CMAC networks in detail.

b) Write a short note on application of neural networks.

Q8. a) Describe defuzzification techniques with suitable examples.

b) Explain in detail the operation of fuzzy set.