B. Tech. DEGREE EXAMINATION, MAY - 2015

(Examination at the end of Final Year)

COMPUTER SCIENCE

Paper – V : Soft Computing

Time : 3 Hours   **Maximum Marks : 75**

Answer question No. 1 compulsory   *(15)*

Answer ONE question from each unit   *(4 x 15 = 60)*

1) Discuss about :

    a)   Hopfield network.

    b)   Fuzzy reasoning.

    c)   Cross over.

    d)   Simulated annealing.

    e)   Predicate calculus.

Unit - I

2) Explain back propagation network with an example.

OR

3) Explain supervised and unsupervised learning in detail.

Unit - II

4) Explain fuzzy if-then rules.

OR

5) a)   Explain – fuzzy decision making with an example.

    b)   Explain classification and regression tress.

Unit - III

6) a)   Explain survival of the fittest with an example.

    b)   Explain K-Means clustering.

OR

7) Explain Rank-Space method in detail.

Unit - IV

8) Explain semantic networks in detail.

OR

9) Discuss :

a) Frames.

b) Objects.

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