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CAVS-N 386 B-14
B.C.A Vth Semester Degree Examination
Computer Science
(Soft Computing Elective- I)
Paper - BCA 5.5(C)
(New)

Time : 3 Hours Maximum Marks : 80

***Instructions to Candidates*:**

Answer ***all*** *sections*

SECTION - A

Answer all questions. **(10×2=20)**

1. a) Define Soft Computing.

b) Various activation function used in ANN.

c) Define neural network architecture.

d) Define Weights.

e) What is called the principles of incompatibility.

f) What is Leaky learning.

g) Write an example for linguistic variable & values.

h) What is hamming net.

i) Define a binary fuzzy box tree

j) Expand CANFIS.

SECTION - B

Answer any four questions. **(4×5=20)**

2) Explain MC-culloh model.

3) Explain the working of counter progration network.

4) With suitable block diagram explain the working principles of FIS.

5) What are the application of genetic algorithm.

6) Convert the following sentence to predicate logic.

   i) Marcus was a man.

   ii) All man are mortal.

7) What is significance of widrow's learning.

SECTION - C

Answer any Four questions. **(4×10=40)**

8) Explain the various problems in representing knowledge.

9) Describe taxonomy of neural network.

10) State & Discuss the different training procedures.

11) What is decision making? Explains.

12) Explain binary encoding for knap'sack problem.

13) Write a short notes on

   i) Net talk.

   ii) ADALINE.
