

W-3238(A)

M.Sc. (Fourth Semester) Examination, (Second Chance) June-2020

COMPUTER SCIENCE

Paper - 403(I)

Neural Networks

Time : Three Hours

Maximum Marks : 85

Minimum Pass Marks : 29

Note : Attempt **all** questions.

Q.1. Describe :

- a) ANN
- b) Multi layer NN
- c) Model of Neuron
- d) Basic learning rules

Q.2. Describe activation dynamic models in detail. Explain all functional with of ANN for pattern recognition task.

Q.3. Write procedure to analysis the pattern-association. How can we explain classification and mapping of the networks?

Q.4. Describe competitive learning NN with its components and analysis of all layers used for the output function.

Q.5. Write note on :

- a) Subsethood theorem.
- b) Fuzzy truck backer upper ctrl systems.
- c) Fuzzy hebb's FAM.

