Tampere University of Technology
Faculty of Computing and Electrical Engineering

SGN-2806 Neural Computation (5 cr)

Examination 16.3.2009 / Ari Visa

1.How does the error-correction learning differ from the competitive learning?	6p
2. How does a Support Vector Machine work? Describe how Support Vector Machine works. When are you using it?	6p
3. If you have a lot of unlabeled data and only a few labeled examples. Suggest, based on the course, a method that is capable to learn the data. Describe the method briefly	6p
4. Mention one neural network method that is capable to work with incomplete data. Describe how the method works. Why it is capable to work with incomplete data?	6p
5. You know that you have time delays in your system. The time delays have been estimated about constants. Suggest a suitable neural network to model such a system. Use a simple model. How the backpropagation algorithm can be used in training?	6p