11 a. Explain the five different types of Neural Networks based on Connection patterns K3 ----------JG sir ppt slide no 35

11 b .Explain in detail about the evolution of Neural Network and its functionalities ----------soft 1.pdf pg no :4

12 a .Explain in detail about the architecture of MP neuron and demonstrate its functionality with an example K3 ---------- McCulloch Pitts soft1.pdf pg no -----30-32(for example),JG PPT slide-46 to 57 and Tech book pg no ---22-24

12 bExplain Linear Separability and demonstrate its working with an example K3 ----------JG PPT :58-64 ,Soft1.pdf32-33 and 34-35

13 a . Explain the concept of Fuzzy Arithmetic in detail. K2 ----------JG PPT slide-115 to 123

13 b. Explain the truth values and tables in Fuzzy Logic. K2 ----------

14 a . Explain the different types of Encoding schemes in GA in detail K2 ----------(Principle of soft computing book pdf pg no:213) or encoding pdf

14 b. Explain in detail about Genetic Algorithm, biological background and its terminologies. K2 ---------- ----------(Principle of soft computing book pdf pg no:204 to 206 and 210 to 212 upto Figure 15-12 which is above simple GA)

15a . Demonstrate Optimization of Traveling Salesman Problem using Genetic Algorithm Approach. K3 ----------tsp pdf

15 b. Explain simplified fuzzy ARTMAP and show how it coincides with BPN ----------(Principle of soft computing book pdf pg no:252-253[(16.5to 16.52)])

16. Illustrate the working of HEBB Training algorithm with an example ----------(Principle of soft computing book pdf pg no:25-26) , soft 1.pdf pg no:36-38