Question Analysis
Kohonen & Hopfield

2017 1. Explain the working Procedure (5d) of Kohonen self organizing neural network.

2017 2. Briefly discuss how to update the (6b) weights of nodes in a Kohonen self organizing map?

2019 3. Briefly explain hopfield network (6c) to store some patterns.

2017 4. What are the Properties of self (5c) Organizing neural network over supervised neural network.

2019. 5, 6 No Question

(6)

2020 6. Write down the steps of Kohonen network algorithm (6(a))

2020 7. Write down the Hopfield network Algorithm (6(b))

2020. 8. Prove that the weight matrix in hopfield network algorithm contains the information about the stored patterns. (6(c))

2018 9. What is meant by self organization learning? Write down the relative advantage and disadvantages of supervised & unsupervised learning (5(a))

2018 10. How can Self organization map ensure dimensionality reduction? (7(b))

2018 11. How to updates the weights of nodes in KSOM

5(c) So that the weight updates intensity of neighbour nodes in the map is inversely proportional to the distance from best matching unit.

4(c)

2018 12. 5 4(c)

2017 13. 6(a)

14. 5(d) In unsupervised learning there are no target output variables. So, what unsupervised learning learn?

2016 15. 5(b) How to Reduce neighbour size of KSOM? What are the effects of it?

2016 16. 5(c) How can you update connection between

2016, 17. 5(d) nodes in Kohonen? Write with equations.

Write major differences between supervised & unsupervised neural network algorithm?

CT Question By Robiul Sir

18Q What is vector quantization? How is it performed in Kohonen network?

19 Q. What are the importance of using large radius size of KOhonen algorithm? How could it be controlled?

20 Q. Write down important features of hopfield algorithm? How many nodes are required to classify 150 numbers of classes effectively by hopfield?

21. Calculate the weight matrix for hopfield neural