1. Basics of soft computing
2. Advantage disadvantage of neural network
3. Artificial network
4. Biological network
5. Basic model of artificial neural network
6. Learning (supervised, unsupervised and reinforcement)
7. Weight,bias, threshold, learning rate
8. MP neuron
9. Linear separability
10. Hebb network
11. Perceptron network
12. Adaline
13. Madaline
14. Back propogation
15. Flann
16. Rbfn

Practical:

1. All activation function
2. Perceptron
3. Gradient descent algorithm
4. Fibonacci series
5. Factorial number
6. Image processing ( all 4)