Assignment 4

1a. Draw a neat diagram and explain how Adaline can be used to solve a 2-class linearly separable problem.

b. What are the different types of stimuli in associative learning?

2a. State the LMS Algorithm and explain its importance.

b. Draw a neat diagram and explain Adaptive Noise Cancellation.

3a. Draw a neat diagram and explain the working of a Banana associator.

b. Write the equation and explain the importance of outstar rule.

4a. Explain instar rule.

b. Give Hebb's rule with decay. Derive the expression for the maximum weight value when decay term is present.

5a. Draw a neat diagram and explain Hamming Network.

b. What are the problems with Competitive Layers? Explain.