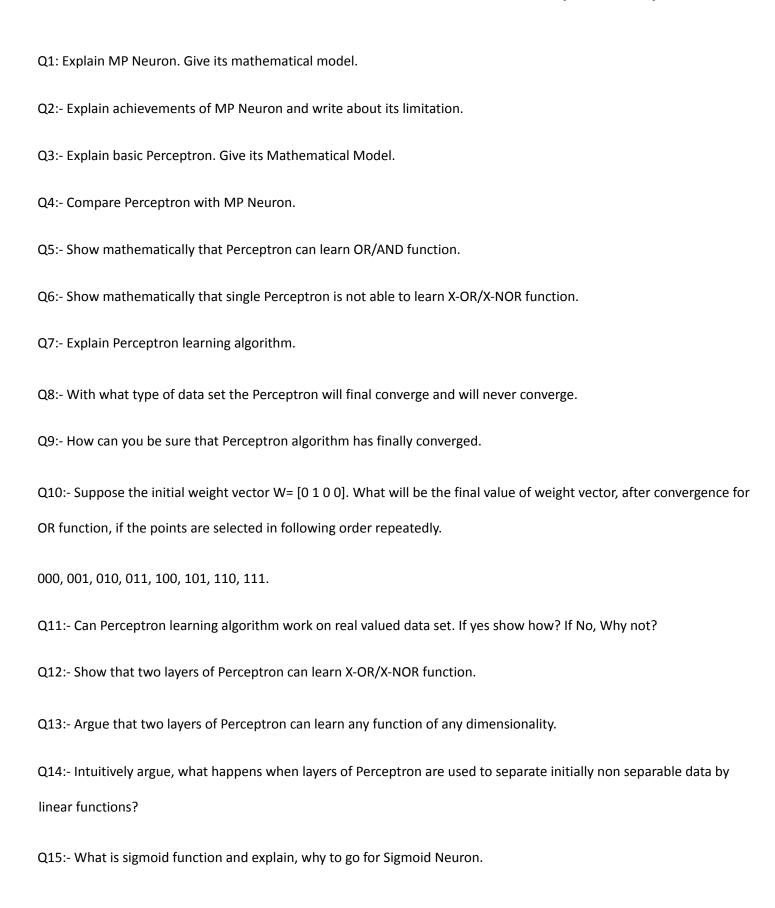
## Question Bank on First Module I (Partial)



- Q16:- Why to use Non-linear activation function.
- Q17:- What is Tanh function and explain, when to go for Tanh Neuron.
- Q18:- What is ReLU function and explain, when and why to go for ReLU Neuron.
- Q19:- Is ReLU a linear or Non-linear function? Explain how?
- Q20:- What is Softmax function and explain, when to go for Softmax function.
- Q21:- What is loss function? Why is it used? What is the loss function used in Regression?
- Q22:- Explain significance of each term used in MSE loss function.
- Q23:- Which type of loss function is used in binary classification problem? Explain it.
- Q24:- Explain gradient descent technique, taking regression as example.
- Q25:- Why Gradient Descent is known as Gradient Descent?
- Q26:- What is Gradient Descent weight update rule? Explain significance of Learning Rate in Gradient Descent
- technique. Q27:- Why is it desirable to have convex shaped error function/surface in Machine Learning setup? Q28:-
- Explain, intuitively Back propagation algorithm.
- Q29:- What is the nature of error surface generated by Deep Learning setup? Why it is so?
- Q30:- Why Back propagation algorithm is known as Back propagation algorithm? What propagates backwards in Backpropagation algorithm?