Assignment Question (Deep learning)

1. What Is the Role of Activation Functions in a Neural Network?

### 2. What Is the Cost Function?

### 3. What Is the Difference between a Feed forward Neural Network and Recurrent Neural Network?

### 4. What are the Softmax and ReLU Functions?

### 5. What are hyper parameters? Explain with example.

### 6. Can we have the same bias for all neurons of a hidden layer?

### 7. What if we do not use any activation function(s) in a neural network?

### 8. Explain knowledge base system with example.

### 9. What do you mean by acquisition of knowledge?

### 10. What do you mean by semantics of propositional logic with example?

### 11. Explain predicate logic in DL with example.

### 12. Explain Expert system with their components.

### 13. Explain Non –deductive inference methods.

### 14. What do you mean by inference rules?

### 15. Explain resolution in DL. Describe all steps to converts WFF to CNF.

### 16 Explain Bayesian probabilistic inference method.

### 17. what do you mean by dempster-shafer theory.

### 18. Explain natural language processing with suitable example.

### 19. Describe back propagation algorithm with example.

### 20. What do you mean by deep neural network? Explain it.

### 21. Explain generative adversarial network with example.

### 22. Explain markov decision process in terms of DL.

### 23. Explain Bi-direction Neural Network.

### 24. What do mean by shallow neural network. Describe with example.

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