1.D

2.B

3.C

4.A

5.A

6.D

7.B

8. A

9.A,B and D

10.B

11. Deep learning is a subset of machine learning in artificial intelligence that has networks capable of learning unsupervised from data that is unstructured or unlabeled. Also known as deep neural learning or deep neural network.

12. Reinforcement Learning(RL) is a type of machine learning technique that enables an agent to learn in an interactive environment by trial and error using feedback from its own actions and experiences.

13. To recap the differences between the two: Machine learning uses algorithms to parse data, learn from that data, and make informed decisions based on what it has learned. Deeplearning structures algorithms in layers to create an "artificial neural network” that can learn and make intelligent decisions on its own.

14. A neuron receives inputs from multiple neurons and outputs a value based upon the activation function. The perceptron is one of the easiest data structures for the study of neural networking. The perceptron models a neuron's behavior in the following way: First, the perceptron receives several input values.

15. we can differentiate both AI and ML as: AI is a bigger concept to create intelligent machines that can simulate human thinking capability and behavior, whereas, machine learning is an application or subset of AI that allows machines to learn from data without being programmed explicitly .