



DELHI PUBLIC SCHOOL FIROZABAD

Session– 2021-22

Subject- Artificial Intelligence

Class-IX

Worksheet-1



Roll No. _____ **Name** _____ **Date** _____

1. Multiple Choice Questions (MCQs).

1. Which is the basic working unit of the brain.

Ans. _____

2. A "neuron" in an artificial neural network is a _____ function that collects and classifies information according to a specific architecture.

Ans. _____

3. A perceptron is a single-layer neural network. It consists of _____ main parts.

Ans. _____

4. In the artificial neural network, forward propagation delivers the:-

Ans. _____

5. In the artificial neural network, backward propagation delivers the:

Ans. _____

6. To protect and conserve the environment we should adopt:

Ans. _____

7. Name any resource which is not a natural resource?

Ans. _____

8. Name any one renewable source of energy?

Ans. _____

9. Feature of the green economy is _____?

Ans. _____

10. The World Environment Day is celebrated on _____ every year.

Ans. _____

2. Fill in the Blank:

1. _____ Networks are loosely modelled after how neurons in the human brain behave.

2. A Neural Network is divided into multiple _____.

3. In a neural network each layer is further divided into several blocks called _____.

4. The first layer of a Neural Network is known as the _____ layer.

5. _____ layers are the layers in which the whole processing occurs.

6. _____ refers to any change or disturbance to the environment perceived to be deleterious or undesirable.
7. Cutting down of trees on a large scale is termed as _____.
8. Growing plants on a large scale is termed as _____.
9. A _____ economy is low carbon, resource efficient and socially inclusive.
10. The excess amount of _____ gases lead to global warming.

4. Answer the following Questions:-

1. Define Artificial neural network. How it is not comparable with human neural network. Draw a diagram of simple ANN.
2. Write about Preceptron.
3. What is the difference between supervised and unsupervised learning?
4. Write about Reinforcement learning.
5. What are biotic and abiotic components of the environment?
6. Write about components of human neuron.
7. Write use of Deep learning in the field of Entertainment.
8. What is environmental degradation?
9. What do you mean by sustainable development?
10. What do you mean by green skills?