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?

_____

_____

_____