

# Worksheet

2

Name: .....

Roll No: ..... Class: ..... Section: .....

Date: .....

## NEURAL NETWORKS

### Chapter-3

#### A. Fill in the blanks.

1. .... are trained to understand the patterns and detect the possibility of rainfall or rise in stock prices with high accuracy.
2. Neural networks can even ..... patterns in music and train themselves enough to compose fresh tunes.
3. Neural networks can ..... data features automatically without the input from the developer.
4. .... in the human brain receive the impulse and pass on to the cell body of the neuron.
5. The layer present in-between input and output layers is called the .....

#### B. State whether these statements are true or false.

1. Facial recognition does not use neural networks. ....
2. Sensory neuron carries the signal from the brain or spinal cord to the organs, glands or muscles. ....
3. There are three layers in Artificial Neural Networks. ....
4. Classification works with labelled data. ....
5. The Human Nervous System is made up of a complex network of specialised nerve cells known as neurons. ....

#### C. Assertion and reasoning based question.

**Assertion(A):** Neural networks are the backbone of deep learning algorithms.

**Reason(R):** Neural networks use vast amounts of data.

1. Both A and R are correct and R is the correct explanation of A.
2. Both A and R are correct but R is NOT the correct explanation of A.
3. A is correct but R is not correct.
4. A is not correct but R is correct.