

Worksheet

Name:

Roll No: Class: Section:

Date:

NEURAL NETWORKS

Chapter-3

A. Answer the following in one or two words.

1. In which AI model labelled data is used?
2. Which type of data is required for regression?
3. What connects the sensory and the motor neuron to help in the transmission of signals?
4. What is composed of a group of chemically connected or functionally associated neurons?
5. What is made up of layers of neurons, just like the human brain?
6. What is the name of the technology used in smartphones with the help of cameras in order to secure the device?

B. Match the following.

- | | |
|-------------------|--|
| 1. Synapse | a. Processing takes place on this layer |
| 2. Hidden layer | b. Building blocks of nervous system |
| 3. Sensory Neuron | c. AI model |
| 4. Neuron | d. Works on discrete dataset |
| 5. Clustering | e. transmission of nerve impulse from the axon of one neuron to another neuron |

C. Long answer type questions.

1. Explain the difference between regression and classification.
2. Explain the working of neural networks.
3. Explain the three types of neurons in the human body.
4. Explain Biological Neural Network.
5. Why is it difficult to replicate the working of human brain into Artificial Neural Networks?
6. Mention three features of neural networks.