

Worksheet

2

Name:

Roll No: Class: Section:

Date:

INTRODUCTION TO AI

Unit-1

Answer the following questions.

Questions 1 and 2 consist of two statements – Assertion (A) and Reason (R). Answer these questions selecting the appropriate option given below:

- A. Both A and R are true and R is the correct explanation of A
- B. Both A and R are true and R is not the correct explanation of A
- C. A is true but R is false
- D. A is False but R is true

1. Assertion (A): In supervised learning, you use “labelled” data to train the machine.

Reason (R): It can be compared to learning in the presence of a supervisor or teacher.

2. Assertion (A): Deep learning is a subset of machine learning that teaches computers to do what humans do naturally.

Reason (R): Deep learning is the most advanced form of Artificial Intelligence.

- 3. Explain back propagation in the context of neural networks.
- 4. Differentiate between supervised and unsupervised learning.
- 5. List 2 things that machine learning can do and cannot do.
- 6. Define:
 - a) Fuzzy Logic
 - b) Artificial Super Intelligence
 - c) AI winter