FACULTY OF ENGINEERING, UNIVERSITY OF LUCKNOW

Mid-Term Test – ll B.Tech. SEMESTER – VI,2023-24 Branch: AI 3rd year

Student's Roll No.....

Subject Code: AI-601 Subject Title: Essentials of Machine Learning

Time: 1 Hrs. Full Marks: 20

Note: Attempt questions from each section as per instructions. The symbols

have their usual meaning.

SECTION A

1. Attempt all parts of this question. Each part carries 1 mark. (1 x5=5)

- a) Define true error and sample error.
- b) List the type of error in machine learning?
- c) What is accuracy in machine learning.
- d) Define prediction.
- e) Explain decision trees.

SECTION B

Attempt any THREE questions of the following. Each question carries 5 marks. (5 x 3=15)

- 6. Explain role of cross validation?
- 7. Explain geometry of support vector machine.
- 8. What is Naïve Bayes algorithm.
- 9. Explain kernel methods which are suitable for perceptions.