

Kathmandu University

First In-semester Examination-2025

Department of Artificial Intelligence, Panchkhal

Level: B.Tech Artificial Intelligence

Course: AIMA 203

Year: II

Semester: II

Time: 15 minutes

F.M. : 10

Roll No:

Marks Scored:

SECTION "A" [10 Q \times 1 = 10 marks] (*Do any ten*).

Fill in the blanks by writing the most appropriate word(s) or symbol(s).

1. Give an example of an approximate value: _____.
2. Write the number of significant digits in 20300.00 _____.
3. Write the precision of 45.203 _____.
4. Write the accuracy of 7953.2300 _____.
5. Find the upper limit error in rounding a number to 4 decimal places. _____.
What is the maximum number of positive real roots of $x^5 - x^4 + 3x^3 - x^2 - x + 2$?
_____.

6. Truncation error or rounding off error in Newton Raphson's method?