Kathmandu University

First In-semester Examination-2025

Department of Artificial Intelligence, Panchkhal

Level: B.Tech Artificial Intelligence Year: II Time: 15 minutes		Course: AIMA 203 Semester: II	
			F.M.: 10
		Name:	Roll No:
SECTION" A	$A" \qquad [10 \text{ Q} \times 1 = 10 \text{ marks}]$	(Do any ten).	
Fill in the blanks by writing	the most appropriate word(s) or symbol(s).	
1. Write the number of sign	uificant digits in 20300.00		
2. Write the precision and a	accuracy of 45.2030	·	
3. Find the upper limit error	in rounding a number to 4 de	ecimal places	
4. What is the maximum n	umber of positive real roots	of $x^5 - x^4 + 3x^3 - x^2 - x + 2$?	
5. Which error: Truncation	error or rounding off error	in Newton Raphson's method?	
6. Which one converges faste	er bisection method or secant	method?	
7. Write the disadvantage of	C"Lagrange's Interpolation me	ethod":	
8. Write the advantage of "Secant method over Newton Ra			
	y_1 and ∇y_1 :		
0. What is the difference of i	nterpolation and extrapolation	on	
1. Calculate the number of		·	