Kathmandu University

First In-semester Examination-2025

Department of Artificial Intelligence, Panchkhal

elligence	Course: AIMA 203
	Semester: II
	F.M.: 10
Roll No:	Marks-Scored:
$[10 \text{ Q} \times 1 = 10 \text{ marks}]$ (.	Do any ten).
e most appropriate word(s)	or symbol(s).
or and its scalar.	
pace of \mathbb{R}^2 :	
echelon for matrix.	
$\begin{bmatrix} 1 & 3 & 5 \\ 2 & 6 & 10 \\ 4 & 12 & 20 \end{bmatrix} \cdot \underline{\hspace{1cm}}$	
	unique solution or no solution.
	$Col(A) = \mathbb{R}^4$? Is $Nul(A) = \mathbb{R}^3$
y dependent? $\{(1, 2, 4) \ (2, 4, $	8)}
a triangular matrix?	
nitely many eigenvalues asso	_
the second	$[10 \text{ Q} \times 1 = 10 \text{ marks}]$ (e most appropriate word(s)) or and its scalar