Reg. No.:

Name :



MID TERM EXAMINATIONS - October - November 2023							
Programme	:	B.Tech.	Semester	:	Interim 2023-24		
Course	:		Slot/ Class No.	:			
Title /		Deep Learning			C14+F14/0167		
Course		CSA4020			C14+F14/010/		
Code							
Time	:	1.5 hours	Max. Marks	:	50		

## **Answer all the Questions**

Q.No.	Sub. Sec.	Question Description	Marks
1		Define Machine Learning. Explain various types of machine learning algorithms.	10
2		Explain the following key elements of linear algebra: Scalar, Vector, Matrices, and Tensors.	10
3		What is the use of a gradient-decent optimization algorithm? Explain with an example.	10
4		What is CNN? Explain in detail the components of CNN models.	10
5		Differentiate between the following:  a) Overfitting and Underfitting  b) Forward propagation and Back propagation	10

