## TILAK MAHARASHTRA VIDYAPEETH, PUNE MASTER OF SCIENCE (M.SC) IN COMPUTER APPLICATIONS EXAMINATION : JUNE - 2022 SEMESTER - III

Sub: Data Analytics (MSC -303 -19)

Date : 13/06/2022		2 Total Marks : 60	Time: 10.00 am to 12.30 pm
Instruct	1. Al 2. Ba 3. Ca 4. An 5. Us	Il questions are compulsory unless and otherwise stat old figures to the right of every question are the maxi andidates are advised to attempt questions in order. nswers written illegibly are likely to be marked zero. se of scientific calculators, Log tables, Mollier Chart raw neat and labelled diagram wherever necessary.	mum marks for that question.
Q. 1.	Answer	the following in 2-3 lines. (Any 5)	(10)
1.	What is I	Linear Regression Algorithm?	
2.	Define ne	eural netwok.	
3.	What are	Different Kernels in SVM?	
4.	How to 7	Tackle Overfitting and Underfitting?	
5.	Why pytl	hon is known as an Interpreted language?	
б.	What are	the applications of deep learning?	
7.	What is s	slicing in Python?	
<b>Q. 2.</b> 1.	What is H	<b>the following in short. (Any 4)</b> Python. Explain features of python in detail.	(20)
2.	-	najor task of Data preprocessing process.	
3.	-	Data Normalisation. What is the need for it? Dictionary and Tuples with Example.	
4.		ort note on NumPy Library with its method.	
5.			- P
0.	Explaint	he Difference Between Classification and Regression	17
Q. 3.	Answer (	the following in detail. (Any 3)	(30)
1.	Explain N	Naïve bayes Algorithm in Detail	
2.	Define D	eep learning. Explain Convolutional Neural Network	s with help of diagram
3.	What are	Different Types of Machine Learning algorithms? E	xplain in detail.
4.	What is c	clustering? Explain k-means clustering.	
5.	Describe	Natural Language Learning in detail.	

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