ANURAG Engineering College
(An Autonomous Institution)
IV B.Tech I Semester Regular/Supplementary Examinations, Dec-2024
BIG DATA ANALYTICS
(COMPUTER SCIENCE AND ENGINEERING)

Time: 3 Hours   **Max.Marks:75**

Section – A (Short Answer type questions)   **(25 Marks)**
Answer All Questions

		Course Outcome	B.T Level	Marks
1.	Write about Classification.	CO1	L1	2M
2.	What are Seven V's of Big Data?	CO1	L1	3M
3.	Discuss about Hadoop Features.	CO2	L2	2M
4.	Describe any Three HDFS Shell Commands with examples.	CO2	L2	3M
5.	Explain about Zookeeper.	CO3	L2	2M
6.	Discuss about Hive Data Types.	CO3	L2	3M
7.	What is Spark?	CO4	L1	2M
8.	Discuss about MLlib in Big Data Analytics.	CO4	L2	3M
9.	List the Types of NoSQL Databases.	CO5	L1	2M
10.	Outline the MongoDB Key Features.	CO5	L2	3M

Section B (Essay Questions)
Answer all questions, each question carries equal marks.   **(5 X 10M = 50M)**

			Course Outcome	B.T Level	Marks
11.	A)	Explain about Data Classification and Data Characteristics in detail.	CO1	L2	10M
		OR			
	B)	What is Big Data Analytics? Demonstrate using some popular Analytics Tools.	CO1	L2	10M
12.	A)	Organize the Hadoop Eco System and explain about the sub projects existed in the Eco System in detail.	CO2	L3	10M
		OR			
	B)	Build HDFS Architecture with a neat diagram.	CO2	L3	10M
13.	A)	Explain Zookeeper Service – Data Model and Operations briefly.	CO3	L2	10M
		OR			
	B)	Contrast SQL Vs HQL with Two suitable example queries.	CO3	L2	10M
14.	A)	Explain the creation of RDD's using Spark in Hadoop in detail.	CO4	L2	10M
		OR			
	B)	Simplify the Classification and Regressions using MLlib.	CO4	L3	10M
15.	A)	Discuss the Advantages of NoSQL Databases and also Types of NoSQL Databases.	CO5	L3	10M
		OR			
	B)	Explain briefly about MongoDB along with its Key Features.	CO5	L2	10M