R18

ANURAG Engineering College
(An Autonomous Institution)
IV B.Tech I Semester Supplementary Examinations, April - 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.	What is Big Data?	CO1	L1	2M
2.	Discuss about Big Data Terminologies.	CO1	L1	3M
3.	What are the Key Consideration in Hadoop?	CO2	L2	2M
4.	Explain about YARN.	CO2	L2	3M
5.	List out the Characteristics of Zookeeper.	CO3	L2	2M
6.	Compare SQL Vs. HQL.	CO3	L2	3M
7.	What is Spark Stack?	CO4	L1	2M
8.	Discuss about Clustering.	CO4	L2	3M
9.	List the uses of NoSQL.	CO5	L1	2M
10.	Discuss about MongoDB Shell.	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)	Discuss about Challenges and Applications of Big Data Analytics in detail.	CO1	L2	10M
		OR			
	B)	What is Data Science? Explain briefly about Big Data Terminologies.	CO1	L2	10M
12.	A)	Explain Hadoop System Overview along with different Modes of Hadoop Installation.	CO2	L3	10M
		OR			
	B)	Demonstrate MapReduce Programming with Word Count Example.	CO2	L3	10M
13.	A)	Discuss about Zookeeper Operations, Sessions and States in detail.	CO3	L3	10M
		OR			
	B)	What is HBase? Describe the Implementation and Schema Design.	CO3	L2	10M
14.	A)	Discuss in detail about RDD operations using Spark in Hadoop.	CO4	L3	10M
		OR			
	B)	Analyze MLlib for the purpose of Machine Learning briefly.	CO4	L3	10M
15.	A)	What is NoSQL Database? Justify the Need of NoSQL Database with an example in the aspect of Industrial Use.	CO5	L3	10M
		OR			
	B)	Explain MongoDB Core Server and Tools & MongoDB Query Language in detail.	CO5	L2	10M