

Model Question Paper-1 with effect from 2021 (CBCS Scheme)

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7th Semester B.E. Degree Examination BIG DATA ANALYTICS

TIME: 03 Hours

Max. Marks: 100

Note: 01. Answer any **FIVE** full questions choosing at least **ONE** question from each **MODULE**

Module -1			*Bloom's Taxonomy Level	COs	Marks
Q.01	a	What is Big Data? Explain evolution of big data & characteristics.	L1	CO1	10
	b	Explain the following terms. i. Scalability & Parallel Processing ii. Grid & Cluster Computing.	L2	CO1	10
OR					
Q.02	a	What is Cloud Computing? Explain different services of Cloud.	L1	CO1	10
	b	Explain any two Big Data different Applications.	L2	CO1	05
	c	How does Berkeley data analytics stack helps in analytics take?	L2	CO1	05
Module-2					
Q. 03	a	What is Hadoop? Explain Hadoop eco-system with neat diagram	L2	CO2	08
	b	Explain with neat diagram HDFS Components.	L2	CO2	08
	c	Write short note on Apache hive.	L1	CO2	04
OR					
Q.04	a	Explain Apache Sqoop Import and Export methods.	L2	CO2	08
	b	Explain Apache Oozie with neat diagram.	L2	CO2	07
	c	Explain YARN application framework.	L2	CO2	05
Module-3					
Q. 05	a	What is NOSQL? Explain CAP Theorem.	L1	CO3	10
	b	Explain NOSQL Data Architecture Patterns.	L2	CO3	10
OR					
Q. 06	a	Explain Shared Nothing Architecture for Big Data tasks.	L2	CO3	10
	b	Explain MONGO DATABASE.	L2	CO3	10
Module-4					
Q. 07	a	Explain Map Reduce Execution steps with neat diagram.	L2	CO4	10
	b	What is HIVE? Explain HIVE Architecture.	L2	CO4	10
OR					
Q. 08	a	Explain Pig architecture for scripts dataflow and processing	L2	CO4	10

	b	Explain Key Value pairing in Map Reduce.	L2	CO4	10
Module-5					
Q. 09	a	What is Machine Learning? Explain different types of Regression Analysis.	L2	CO5	10
	b	Explain with neat diagram K-means clustering.	L2	CO5	05
	c	Explain Naïve Bayes Theorem with example.	L2	CO5	05
OR					
Q. 10	a	Explain five phases in a process pipeline text mining.	L2	CO5	10
	b	Explain Web Usage Mining.	L2	CO5	10

*Bloom's Taxonomy Level: Indicate as L1, L2, L3, L4, etc. It is also desirable to indicate the COs and POs to be attained by every bit of questions.