

[M19 IT 1108]

I M. Tech I Semester (R19) Regular Examinations
BIG DATA ANALYTICS
Department of Information Technology
MODEL QUESTION PAPER

TIME: 3 Hrs.

Max. Marks: 75 M

Answer **ONE Question** from **EACH UNIT**

All questions carry equal marks

			CO	KL	M
		UNIT - I			
1.	a).	Implement Simple Java Program using Generic Types. Explain Generic Types.	1	3	8
	b).	Differentiate Stacks and Queues.	1	2	7
		OR			
2.	a).	Explain the concept of serialization.	1	2	8
	b).	Discuss abt Generic Variables with examples	1	2	7
		UNIT - II			
3.	a).	Explain abt Google File System	2	2	7
	b).	Explain the architecture of Building blocks of Hadoop.	2	2	8
		OR			
4.	a).	Mention the configuration of Hadoop Cluster using Fully Distributed Mode in detail	2	2	8
	b).	Name different configuration files in Hadoop?	2	2	7
		UNIT - III			
5.	a).	Explain how matrix multiplication is carried t using Map Reduce algorithm	3	2	8
	b).	Write abt Driver Code in Hadoop MapReduce.	3	2	7
		OR			
6.	a).	Describe the old and new Java MapReduce APIs	3	2	8
	b).	How to specify a combiner function? Write a program on application to find the maximum temperature, using a combiner function for efficiency.	3	2	7
		UNIT - IV			
7.	a).	Explain abt the Writable wrappers for Java primitives.	4	2	8
	b).	What is writable comparable interface?	4	2	7
		OR			
8.	a).	Write briefly abt Writable Concepts i. Text ii. Bytes writable	4	2	7
	b).	Explain abt the implementation of raw comparator and custom raw comparator with an example.	4	2	8
		UNIT - V			
9.	a).	Write a brief notes on distributed modes of running PIG Scripts.	5	2	8

	b).	How to create and Manage the database and tables using Hive	5	2	7
		OR			
10.	a).	Illustrate the Architecture of PIG	5	2	8
	b).	Explain how the Data Manipulation Language Works.	5	2	7

CO: Crse tcome
KL: Knowledge Level
M: Marks

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