

Hall Ticket No.:

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Set-1

Course Code: 23MTCSE01

MALINENI LAKSHMAIAH WOMEN'S ENGINEERING COLLEGE
(AUTONOMOUS)

I-M.Tech. I-Semester (MR23) Regular Examinations, March - 2024

Big Data Analytics**COMPUTER SCIENCE & ENGINEERING**

Time: 3 hours

Max. Marks: 75

Answer **ALL** the questions – 5*15=75 Marks

Q. No.	Question		Marks	CO	BL
1	a)	Implement Simple Java Program using Generic Types. Explain Generic Types.	(8M)	CO1	L2
	b)	Differentiate Stacks and Queues.	(7M)	CO1	L3
(OR)					
2	a)	Explain the concept of serialization.	(7M)	CO2	L1
	b)	Discuss about Generic Variables with examples	(8M)	CO2	L2
3	a)	Explain about Google File System	(8M)	CO2	L2
	b)	Explain the architecture of Building blocks of Hadoop.	(7M)	CO2	L3
(OR)					
4	a)	Mention the configuration of Hadoop Cluster using Fully Distributed Mode in detail	(8M)	CO2	L2
	b)	Name different configuration files in Hadoop?	(7M)	CO2	L3
5	a)	Explain how matrix multiplication is carried t using Map Reduce algorithm	(7M)	CO3	L2
	b)	Write about Driver Code in HadoopMapReduce.	(8M)	CO3	L3
(OR)					
6	a)	Describe the old and new Java MapReduce APIs	(8M)	CO3	L2
	b)	How to specify a combiner function? Write a program on application to find the maximum temperature, using a combiner function for efficiency.	(7M)	CO3	L3

7	a	Explain about the Writable wrappers for Java primitives.	(7M)	CO4	L2
	b	What is writable comparable interface?	(8M)	CO4	L3
(OR)					
8	a	Write briefly about Writable Concepts i. Text ii. Bytes writable	(8M)	CO4	L2
	b	Explain about the implementation of raw comparator and custom raw comparator with an example.	(7M)	CO4	L3

9	a	Write a brief notes on distributed modes of running PIG Scripts.	(7M)	CO5	L2
	b	How to create and Manage the database and tables using Hive	(8M)	CO5	L3
(OR)					
10	a	Illustrate the Architecture of PIG	(8M)	CO5	L2
	b	Explain how the Data Manipulation Language Works.	(7M)	CO5	L3

MODEL QUESTION PAPER