

Roll No.:

SGT UNIVERSITY

END TERM THEORY EXAMINATION JULY-2022

Faculty/College of Study:	Engineering & Technology	Year/Semester:	6 th Semester
Program:	B.Tech. (CSE) Gen.	Duration:	03:00 Hrs
Course/Subject:	Big Data Analytics	Maximum Marks:	60
Course/Subject Code:	13020629	Batch:	2017

Instructions:-

1. Write Your Roll No. on the Question Paper.
2. Candidate should ensure that they have been provided correct question paper. Complaint(s) in this regard, if any should be made within 15 minutes of the commencement of the exam. No complaint(s) will be entertained thereafter.
3. All Questions are compulsory. Marks are indicated against each question.
4. Illustrate your answer with diagram wherever required.

SECTION-A

(Very Short Answer Type Questions)

Note: All Questions are compulsory: -

[12X1=12 Marks]

S. No.	Question	Marks Allotted
1	What is mapper in Hadoop?	1
2	Write 4 tools in the Hadoop ecosystem.	1
3	What is MogoDB?	1
4	What is NameNode?	1
5	What is Hadoop cluster?	1
6	What is Reducer in Hadoop?	1
7	What is Secondary Namenode?	1
8	What is Zookeeper?	1
9	What is MapReduce?	1
10	What is DataNode?	1
11	Write command to create table in Hive.	1
12	What is Grunt shell in Pig?	1

SECTION-B
(Short Answer Type Questions)

Note: All Questions are compulsory: -

[4X2=8 Marks]

S. No.	Question	Marks Allotted
13	What are the different modes in a Hadoop cluster?	2
14	What is the master-slave architecture of Hadoop?	2
15	What are internal and external tables in Hive?	2
16	What is HBase? Explain the storage model of HBase.	2

SECTION-C
(Descriptive Answer Type Questions)

Note: All Questions are compulsory: -

[4X4=16 Marks]

S. No.	Question	Marks Allotted
17	What is Big Data and where it is produced?	4
18	What is Pig? Write 4 differences between Pig and MapReduce.	4
19	Explain the architecture of Hive and its components in detail with diagram.	4
20	What is Oozie? Explain in detail.	4

SECTION-D
(Long Answer Type Questions)

Note: All Questions are compulsory: -

[4X6=24 Marks]

S. No.	Question	Marks Allotted
21	What is Hive? Differentiate between Hive and MapReduce. (Write 5 points)	6
22	What is Sqoop? Explain the architecture of Sqoop in detail with diagram.	6
23	What is Flume? Explain its architecture in detail with diagram.	6
24	What is HDFS? Elaborate the architecture of HDFS in detail with a diagram.	6