

HALL TICKET NUMBER

--	--	--	--	--	--	--	--	--	--

PACE INSTITUTE OF TECHNOLOGY & SCIENCES::ONGOLE
(AUTONOMOUS)

IV B.TECH I SEMESTER END REGULAR EXAMINATIONS, NOV-2022
BIG DATA TECHNOLOGIES
(IT Branch)

Time: 3 hours

Max. Marks: 60

Note: Question Paper consists of Two parts (Part-A and Part-B)

PART-AAnswer **all** the questions in Part-A (5X2=10M)

- 1 a) What is the importance of Big Data [2M]
- b) Discuss the Phases in Reducer of Map Reduce [2M]
- c) Discuss about Custom comparators in Hadoop [2M]
- d) Compare Hadoop vs Spark [2M]
- e) Short notes on Hadoop with Hive [2M]

PART-BAnswer **One Question from each UNIT (5X10=50M)**

UNIT-I

2. a) Elaborate on Characteristics of Big Data [5M]
- b) Discuss in detail about Google File System [5M]

OR

3. a) Discuss in detail about HDFS [5M]
- b) How to configure XML files in Bigdata [5M]

UNIT-II

4. a) What is Map Reduce and explain with one example [5M]
- b) Discuss about Driver Code in Map Reduce Program [5M]

OR

5. a) Explain Map reduce Partitioner implementation with example [5M]
- b) How Record reader works in Hadoop [5M]

UNIT-III

6. a) Implement Writable Interface in Hadoop [5M]
- b) Implement Object writeable with example program [5M]

OR

7. a) How can Writeable and Comparable comparators implement in Hadoop [5M]
- b) Implement Generic Writeable with suitable program [5M]

UNIT-IV

8. a) Evaluate local mode of running Pig Scripts [5M]
- b) Writing Word count in apache spark [5M]

OR

9. a) Evaluate Distributed Mode of running Pig Scripts [5M]
- b) Explain the organization of Pig Latin statements [5M]

UNIT-V

10. a) What is Hive and discuss its architecture [5M]
b) How Hive Manipulation language works [5M]

OR

11. a) Discuss workflow between Hive and Hadoop [5M]
b) Discuss about Hive Querying and Analyzing Data [5M]
