

Code No: **R164105A**

R16

Set No. 1

IV B.Tech I Semester Regular/Supplementary Examinations, Jan/Feb - 2022

BIG DATA ANALYTICS

(Common to Computer Science and Engineering and Information Technology)

Time: 3 hours

Max. Marks: 70

Question paper consists of Part-A and Part-B

Answer ALL sub questions from Part-A

Answer any FOUR questions from Part-B

PART-A (14 Marks)

1. a) What is Set? List out the various set implementations in Java. [2]
- b) List building blocks of Hadoop systems. [2]
- c) Define MapReduce. [2]
- d) Write BytesWritable function in Map Reduce Program. [2]
- e) What is a PIG? Write syntax for Bag in PIG. [3]
- f) How to write query to analyze the data in HIVE? [3]

PART-B (4x14 = 56 Marks)

2. a) Explain stack operations using java with example. [7]
- b) What is Generic? Explain parameterized types in java. [7]
3. a) What is HDFS? Explain the Architecture of HDFS. [7]
- b) How to Configuring Hadoop cluster? [7]
4. a) Explain Hadoop API for Map reduce framework. [7]
- b) Demonstrate the implementation of map reduce concept with suitable example. [7]
5. a) What are object writable and generic writable? Explain with example. [7]
- b) Discuss about the Writable wrappers for Java primitives. [7]
6. a) Discuss in brief about running a pig script in local and distributed mode. [7]
- b) List PIG Commands .Explain PIG commands with examples. [7]
7. a) Explain the procedure to getting started with Apache Hive Software. [7]
- b) Explain in brief about Data manipulation in HIVE. [7]