

Code No: **RT4105B**

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IV B.Tech I Semester Supplementary Examinations, February/March - 2018

HADOOP AND BIG DATA

(Common to Computer Science and Engineering and Information Technology) Time: 3 hours

Question paper consists of Part-A and Part-B Answer ALL sub questions from Part-A Answer any THREE questions from Part-B *****

PART-A (22 Marks)

1. a) Write a short note on Serialization. [3] b) Explain the working of name node and data node. [4] c) What is the necessity of driver code? [4] d) Define Bytes Writable? [3] e) What is the necessity of pig Latin? [4] f) Write at least two differences between pig and hive. [4] <i>PART-B</i> (3x16 = 48 Marks) [3] 2. a) Discuss in detailed about linked list with an example. [8] b) What is set and map and explain their operation. [8] 3. a) Explain Google File System architecture with neat diagram. [8] b) Discuss in detail about Hadoop Distributed File System (HDFS). [8] 4. a) Write short notes on [8] (i) Driver code [1] (iii) Reducer code [1] (iv) Combiner [8] b) Write the difference between Old and New Hadoop API for MapReduce [8] Framework. [8] 5. a) How to Implementing a Raw Comparator for speed? [8] b) Explain about Generic Writable, Writable collections. [8] c) A Explain the pig architecture with a neat diagram. [8] b) Discuss Pig Latin Application Flow. [8] 7. a) Explain	1	-)	White a heat mate an Capitalization	[2]
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Max. Marks: 70