

Code: 13A05606

B.Tech III Year II Semester (R13) Regular & Supplementary Examinations May/June 2017

BIG DATA TECHNOLOGIES

(Common to CSE & IT)

Time: 3 hours

Max. Marks: 70

PART – A

(Compulsory Question)

1 Answer the following: (10 X 02 = 20 Marks)

- (a) Why is big data important explain briefly?
- (b) What is grid computing?
- (c) Define an interface.
- (d) What is name node?
- (e) Define map reduce technique.
- (f) Name the Unix Tool to analyze the data.
- (g) What is job initialization?
- (h) Write general form of map & reduce functions.
- (i) Explain Hive shell briefly.
- (j) Explain the purpose of HBase Java API.

PART – B

(Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

2 What is big data? Explain its characteristics. Also write brief history of HADOOP.

OR

3 Write about Apache backup and Hadoop Ecosystem.

UNIT – II

4 Write about design of HDFS and its concepts and also explain Java interfaces to Hadoop.

OR

5 Explain about Anatomy of file read and file writes. Explain Coherency model.

UNIT – III

6 Explain about analysis of data with Unix Tools and analyzing data with Hadoop.

OR

7 Explain about writing a Unit Test with MR Unit and also explain about Map Reduce Web UI.

UNIT – IV

8 Explain how a job is submitted and initialized with illustration.

OR

9 What are Map Reduce types and also explain about map side and reduce side joins?

UNIT – V

10 Discuss in detail about Hive services and Hive clients.

OR

11 Write in detail about Java and Map reduce implementation.
