

PARUL UNIVERSITY
FACULTY OF ENGINEERING & TECHNOLOGY
M.Tech. Winter 2017 - 18 Examination

Semester: 2
Subject Code: 03201152
Subject Name: Big Data Analytics

Date: 09/01/2018
Time: 02:00pm to 04:30pm
Total Marks: 60

Instructions:

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

Q.1A) What are Structured, semi-structured and unstructured data in Big Data? (05)

B) Explain various challenges of Big Data Analytics. (05)

C) Explain the 4V's of Big Data with example. (05)

Q.2 Answer the following questions. (Attempt any three) (Each five mark) (15)

A) Explain how Big Data can be deployed in E-Commerce?

B) Differentiate traditional Business Intelligence and Big Data Approach.

C) Differentiate RDBMS and HADOOP.

D) Differentiate SQL, NoSQL and New SQL.

Q.3A) What is Map Reduce? Explain Map Reduce Work Flow. (07)

B) Explain MongoDB with its features that make it better than MySQL? (08)

OR

B) Write short note on Hadoop Architecture. (08)

Q.4A) What is Hive? Explain HiveQL with Example. (07)

OR

A) Draw & Explain HDFS Architecture. (07)

B) Write short note on Jasper Reports. (08)