

M.C.A. - II (Two Year) (New CBCS Pattern) Semester-III
PMCAT303 - Paper-III : Big Data & Hadoop

P. Pages : 2

Time : Three Hours



GUG/S/25/13649

Max. Marks : 80

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- Notes :
1. All questions are compulsory and carry equal marks.
 2. Draw neat and labelled diagram wherever necessary.
 3. Avoid vague answers and write answer relevant and specific to question only.

Either:

1. a) What is MapReduce? Explain in detail with example. 8
- b) Explain in brief about Big Data Analysis? 8

OR

- c) What is Big Data? Explain characteristics of Apache Hadoop. 8
- d) Explain in details data serialization. 8

Either:

2. a) Write about SSH & Hadoop configuration. 8
- b) Explain in details about Hadoop Architecture? 8

OR

- c) Explain the various Hadoop shell command in details. 8
- d) Explain the anatomy of file read and write in Hadoop. 8

Either:

3. a) Explain the terms HDFS in details. 8
- b) Write a detail notes on Hadoop 2.0 with its features. 8

OR

- c) Explain how to run MRv1 in YARN. 8
- d) Explain Hadoop echo system component in details. 8

Either:

4. a) Write a detail notes on HiveQL. 8

b) How the schema design is done in HBase? Explain in detail. 8

OR

c) Explain sorting and Aggregating in HiveQL? 8

d) Explain the methods of Zookeeper class in details. 8

5. Solve all the questions.

a) Explain different Application in Big Data. 4

b) Explain name Node in details. 4

c) Write a notes on MRv2. 4

d) How to Build Application with Zookeeper? 4
