Roll No ....

CS-702(D)-CBGS
B.Tech., VII Semester
Examination, December 2020
Choice Based Grading System (CBGS)
Big Data

Time : Three Hours

Maximum Marks : 70

Note: i)   Attempt any five questions.

     ii) All questions carry equal marks.

1. a)   What do you mean by Big Data? How is it different from traditional data?

   b)   Write and explain main characteristics of big data.

2. a)   What are the challenges while handling Big data?

   b)   What is Data Analysis? Explain the role of data analytics in present scenario.

3. a)   What is Hadoop? Compare it with RDBMS.

   b)   What is Map reduce programming ? Where is it used and why?

4. Write short notes on these:

   i)   Hadoop Eco system

   ii)   HIVE

5. a)   Give an introduction to Pig. Explain anatomy of pig.

   b)   Describe and compare data types of Hire and Pig.

6. a) What is Mongodb? Explain it in detail.
    b) Give an introduction to NoSQL. Write variations of NoSQL.

7. a) What do you mean by social network mining? Write its applications.
    b) Explain the term "Social networks as a Graph". Write types of social networks.

8. Write short notes on any two of the following:
    i)   Recommender system
    ii) ETL processing
    iii) Hadoop YARN

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