

RS-66078-A2

THREE YEAR B.Sc. (CBCS) DEGREE EXAMINATION, APRIL/MAY 2018.

SIXTH SEMESTER

Computer Science

Paper VIII-A2 — BIG DATA TECHNOLOGY

Time : Three hours

Maximum : 75 marks

(No additional sheet will be supplied)

SECTION A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. What is big data?
2. What is a distributed file system?
3. What is Apache Hadoop?
4. What is Map Reduce?
5. Write any 3 common Hadoop shell commands.
6. What is a DataNode?
7. What is a job?
8. What is a Cluster?
9. What is HiveQL?
10. What is sorting?

SECTION B — (5 × 10 = 50 marks)

Answer ALL questions.

11. Explain the four V's in big data and their importance.

Or

12. Write about some big data applications.
13. Explain any 6 features/functions of Apache Hadoop.

Or

14. What is data serialization and why is it useful?

15. **Explain HDFS and some features of it.**

Or

16. **Write about File Write and Read in Hadoop.**

17. **Explain Hadoop Map Reduce paradigm.**

Or

18. **Write about some aspects of HDFS administering features.**

19. **Explain some uses and applications of HIVE.**

Or

2. **Write about Map Reduce Scripts.**

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