

17P348

(Pages: 2)

Name.....

Reg. No.....

THIRD SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2018

(CUCSS-PG)

CC17P CSS3 E05e - FUNDAMENTALS OF BIG DATA

(Computer Science)

(2017 – Admission)

Time: Three Hours

Maximum: 36 Weightage

I. Answer *all* questions. Each question carries 1 weightage.

1. Define Big Data and mention the dimensions of the Big Data.
2. What is Key-value pair databases?
3. Write any two characteristics of a Big Data Analysis Framework.
4. With example, explain \$slice and \$exists operations.
5. Define NoSQL database.
6. Define Collections in MongoDB.
7. What is Zookeeper?
8. Define Jaql
9. Which function is used to remove a Collection in MongoDB?
10. What is Namenode?
11. What are the fields contained in UFO sighting record?
12. Write a note Map wrapper classes.

(12 x 1 = 12 Weightage)

II. Answer any *six* questions. Each question carries 2 weightage.

13. Write a short note on nonrelational databases.
14. Describe the role of CMS in big data management.
15. Give a brief note on text analytics.
16. How to remove an element from an array in MongoDB?
17. Write the advantages of NoSQL.
18. What is the role of Hive in Hadoop?
19. Write the significance of HBase.
20. What is the difference in MapReduce Job?
21. What is Key-Value Pair? Why it is used in MapReduce operations?

(6 x 2 = 12 Weightage)

III. Answer any *three* questions. Each question carries 4 weightage.

22. With a neat diagram, explain big data stack.

23. Explain Google Prediction API.

24. How to design a database in MongoDB?

25. Explain the components of Hadoop.

26. Explain the various types of NoSQL.

27. Explain the working of MapReduce.

(3 x 4 = 12 Weightage)
