

B.Tech. (Computer Science & Engineering / Information Technology) Seventh Semester (C.B.C.S.)
Program Elective-V : Big Data Analytics

P. Pages : 2

Time : Three Hours



PSM/KW/23/2882/2904

Max. Marks : 70

- Notes :
1. All questions carry marks as indicated.
 2. Solve Question 1 OR Questions No. 2.
 3. Solve Question 3 OR Questions No. 4.
 4. Solve Question 5 OR Questions No. 6.
 5. Solve Question 7 OR Questions No. 8.
 6. Solve Question 9 OR Questions No. 10.
 7. Due credit will be given to neatness and adequate dimensions.
 8. Assume suitable data whenever necessary.

1. a) Explain types of digital data. 7
b) What are Challenges of Big Data? Explain. 7

OR

2. a) With neat & clean diagram explain Big Data Analysis Life Cycle. 7
b) What are different Sources of Big Data. 7
3. a) Explain Characteristics & need of Big Data Analytics. 7
b) Explain in detail classification of Analytics. 7

OR

4. a) What is Business Intelligence? Explain in detail. 8
b) Explain different analytical operations. 6
5. a) What are essentials of Hadoop Ecosystems? 7
b) Explain with suitable diagram architecture of Hadoop 3.0. 7

OR

6. a) Explain key advantage and Versions of Hadoop. 10
b) Write short notes on. 4
i) HIVE.
ii) FIG.
7. a) Enlist & explain common Serialization Formats. 8

b) Explain YARN framework with suitable diagram. 6

OR

8. a) How to process data with MapReduce? 8

b) Write short notes related to YARN. 6

i) Resource manager.

ii) Node manager.

9. a) What are the benefits of using a schemeless database? 8

b) How to Handle Offline Data Storage with Flutter Hive? 6

OR

10. Explain in detail NOSQL database architecture. 14
