R16

Reg. No:

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
B.Tech III Year I Semester Regular & Supplementary Examinations Nov/Dec 2019
BIG DATA
(Computer Science & Engineering)

Time: 3 hours   Max. Marks: 60

(Answer all Five Units **5 x 12 = 60** Marks)

UNIT-I

1	a	Explain about classification of Analytics.	6M
	b	Explain the difference between parallel and distributed system.	6M

OR

2	a	Discuss why is big data analytics important?	6M
	b	Write about top challenges facing big data.	6M

UNIT-II

3	a	How to develop an analytical team and what is the skill required for an analyst?	6M
	b	What are the roles of analytical team and IT team with a detailed note on text analysis?	6M

OR

4	a	Give a detailed note on features and limitations of R programming and IBM SPSS.	8M
	b	Explain in detail the commonly used analytical approaches?	4M

UNIT-III

5	a	Discuss the techniques which is used to optimize the map reduce jobs.	6M
	b	How does HDFS ensure data integrity in a Hadoop cluster?	6M

OR

6	a	What is HBASE? Give detailed note on features of HBASE.	4M
	b	Define Command line interface using HDFS files and give a brief note on Hadoop-specific file system types and HDFS commands.	8M

UNIT-IV

7	a	What is NewSQL? Differentiate between NewSQL and NoSQL?	6M
	b	With Neat sketch explain in detail Hadoop architecture and its components?	6M

OR

8	a	Explain in detail interacting with Hadoop Ecosystem?	6M
	b	What are the limitations of Hadoop 1.0? Explain Hadoop 2: HDFS and Hadoop 2: YARN?	6M

UNIT-V

9	a	Discuss some commonly used text mining software.	6M
	b	What do you understand by sentiment analysis?	6M

OR

10	a	What is the importance of location –based tracking tools?	6M
	b	Discuss some fields where mobile analytics can be used.	6M

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