

CMR COLLEGE OF ENGINEERING & TECHNOLOGY

(UGC AUTONOMOUS)

B.Tech VII Semester Supplementary Examinations June-2022

Big Data Analytics

C	Course Name: Big Data	Analytics	
		(CSE)	
D	Pate: 14.06.2022 AN	Time: 3 hours Max.Mark	ks: 70
		(Note: Assume suitable data if necessary) PART-A	
		Answer all TEN questions (Compulsory)	
			=20M
1.	What is Big Data? Justify	the need to analyze Bigdata	2 M
	Compare and contrast Big		2 M
	Is name node same as data		2 M
4.	Suppose there is file of si	ize 514 MB stored in HDFS (Hadoop 2.x) using default block size	2 M
. (replication factor. Then, how many blocks will be created in total	
	List two major functionalities of Hadoop YARN.		2 M
	Define map reduce?		2 M
7. (Compare Apache Pig and	SQL.	2 M
8.	What is Pig Grunt?		2 M
9. I	Describe Hive.		2 M
10. J	Justify the need of R in da	ta analytics.	2 M
1	newer the following Fac	PART-B h question carries TEN Marks. 5x10=	FONE
A	nswer the following.Eac	in question carries TEN Marks.	SUIVI
11.A).		mensions of Big Data. Give two examples for the case studies. ion is satisfied by these case studies. OR	10M
11. B)	List the different data	architecture patterns in NOSQL. Explain (i) Key value store (ii)	1014
	Document store		10M
12. A)	. What is HDFS? Illustra	ate the major blocks in HDFS architecture.	10M
10.7%		OR	
12. B).	and read latency	reness in HDFS and how does it minimize bandwidth consumption	10M
13. A)	. Comprehend the functi	ionalities of Hadoop ecosystem components with a neat diagram.	10M
		OR	
13. B).	Explain concept of Ma	p Reduce using an example.	10M
14. A).	. Describe the relational	operators in PIG Latin.	10M
		OR	
14. B).	~	echanisms to define parameters in Pig latin script.	10M
15. A).	Classify primitive and	complex data types in Hive.	10M
1.5 D	T11	OR	
15. B).	Illustrate the Hive arch	itecture and infer the functionalities of the components.	10M