Question Paper Code: 95Q04

M.E. DEGREE EXAMINATION, MAY 2024

Elective

Computer Science and Engineering

19PCS504 - BIG DATA ANALYTICS

(Regulation 2019)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART - A (5 x 20 = 100 Marks)

1. (a) What are the differences that separate out big data architecture CO1- App (20) from the Traditional one?

Or

- (b) Describe cases where social network analysis is used to detect CO1- App (20) fraud
- 2. (a) Differentiate between SQL VsNoSQL and explain it with CO2-U (20) suitable example

Or

- (b) Explain CAP theorem with its diagram CO2- U (20)
- 3. (a) What is HDFS? Illustrate the major blocks in HDFS CO3-U (20) architecture

Or

- (b) What is Data flow Model? Discuss different kinds of Data flow CO3-U (20) Models.
- 4. (a) Write Map Reduce Pseudocode to multiply two matrices CO4- App (20) Illustrate the procedure on the following matrices

(b)	Consider a collection of literature survey made by a researcher	CO4- App	(20)
	in the form of a text document with respect to cloud and big		
	data analytics. Using Hadoop and Map Reduce, write a program		
	to count the occurrence of pre dominant key words.		
(a)	Describe features of Cassandra and its tunable consistency	CO5- App	(20)
	Or		

5.

(b) What do you mean by HiveQL Data Definition Language? CO5- U (20) Illustrate any three HiveQL DDL command with its syntax and example