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Question Paper Code: 55Q14

Ph.D COURSE WORK DEGREE EXAMINATION, NOV 2018

Elective

Computer Science and Engineering

15PCS514 - MANAGING BIG DATA

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART - A (5 x 20 = 100 Marks)

1. (a) What is big data? and discuss in detail why big data is more important with real time examples. CO1- U (20)
Or
(b) Explain the big data in credit risk management. CO1- U (20)
2. (a) Discuss Master slave and peer-peer replication in detail. CO2-U (20)
Or
(b) Explain aggregate data model in detail. CO2-U (10)
3. (a) Analyze Hadoop Streaming with RUBY and PYTHON Programming Language. CO3-Ana (10)
Or
(b) Discuss the steps involved in designing the HDFS. CO3-Ana (20)
4. (a) Discuss the YARN (Map reduce 2) in detail with failures in classic Map-reduce CO4-U (20)
Or
(b) Discuss on the different types and formats of Map reduce with an example each one. CO4-U (20)

5. (a) Explain Cassandra architecture and its data model in detail. CO5- U (10)

Or

(b) Explain HBASE architecture and its data model in detail. CO5- U (20)
