



# Sardar Patel Institute of Technology

Bhavan's Campus, Munshi Nagar, Andheri (West), Mumbai-400058, India

(Autonomous College Affiliated to University of Mumbai)

## Mid Semester Evaluation

Mar 2019

Max. Marks: 20

Class: B.E.

Course Code: CPE8035

Name of the Course: Elective-III Big Data Analytics

Duration: 60 Min

Semester: VIII

Branch: Computer

Instruction:

(1) All questions are compulsory

Q No.		Max. Marks	CO
Q.1	Name any five V's in Big Data and give one line explanation of any three.	4	CO1
Q.2	What is meant by Data Locality in Hadoop? <b>OR</b> Describe Page Rank in link analysis with example.	2	CO2
Q.3	Compare SQL and NOSQL	4	CO3
Q.4	A data stream consists of elements chosen from a set of size n. Maintain a count of the number of distinct element seen so far. Propose the solution to solve this problem.  <b>OR</b> Problem - Given a stream of 0's and 1's. Answer queries of the form : How many 1's in the last k-bits. Propose the algorithm to solve this problem.	5	CO4
Q.5	How to perform Association Rule Mining. List any two suitable examples where the association rule can apply..	5	CO3