

GUJARAT TECHNOLOGICAL UNIVERSITY

B.VOC- SEMESTER-VI EXAMINATION – SUMMER 2025

Subject Code:1160502

Date:12-05-2025

Subject Name: Introduction to NoSQL

Time:10:30 AM TO 12:30 PM

Total Marks:50

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Simple and non-programmable scientific calculators are allowed.

		Marks
Q.1	(a) What is Big Data? Explain Volume, Velocity, Variety in big data.	05
	(b) Write a short note on classification of data.	05
Q.2	(a) What is NoSQL? List and explain advantages of it.	05
	(b) Write a short note on types of NoSQL database.	05
	OR	
	(b) Differentiate : SQL Vs NoSQL.	05
Q.3	(a) Write a short note on data types in mongodb.	05
	(b) Explain hadoop streaming in detail.	05
	OR	
Q.3	(a) How you create, read and update, and delete document in mongodb? Explain it with suitable example.	05
	(b) Draw the architecture of Hive and explain the components of hive in detail.	05
Q.4	(a) Write a short no Hive file format.	05
	(b) Write a short note on Anatomy of Pig.	05
	OR	
Q.4	(a) Differentiate Pig Vs Hive.	05
	(b) Explain Eval functions of pig in detail.	05
Q.5	(a) Explain data types in Hive.	05
	(b) Explain map, shuffle, and reduce terms in map reduce programming model.	05
	OR	
Q.5	(a) Explain pig data types in detail.	05
	(b) Write a script to count a word in mrjob.	05
