

Roll No.: _____

Enrollment No.: _____

Vadodara Institute of Technology
B.C.A , Sem-II, Class Test-1

Subject: DS
Time: 10:30 to 11:15 am

Subject Code:Minor-2
Discipline: BCA

Date: 05-01-2026
Total Marks: 20

Instructions:

1. Attempt any two questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

Sr.no	Question	Marks
Q1.	(a). Define Data Structures. Explain Data Types and classify them into Primitive and Non-Primitive. (b). Explain the classification of Data Structures with suitable examples.	04 06
Q2	(a). Explain the concept of Stack and its basic principle. (b). Explain Stack operations with algorithm.	04 06
Q3	(a). List and explain applications of Stack. (b). Differentiate between Stack and Queue.	04 06

*****BEST OF LUCK*****

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