

Roll No.: _____

Enrollment No.: _____

Vadodara Institute of Technology
B.E- 4, Sem-7, Class Test-3

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

Subject Code: 3170726
Discipline: CE

Date: 18-09-2025
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). Explain any two key concepts of Object-Oriented Programming with examples.	04
	(b). Draw a flowchart or a DFD (Level 0) to represent a simple online student registration system.	06
Q2	(a). Write and explain any two phases of the Software Development Life Cycle (SDLC).	04
	(b). Explain the lifecycle of an Android Activity with a clean diagram.	06
Q3	(a). Draw a neat diagram of Android Architecture and label its components.	04
	(b). What are fragments in Android? Explain the fragment lifecycle with an example use case.	06

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

Roll No.: _____

Enrollment No.: _____

Vadodara Institute of Technology
B.E- 4, Sem-7, Class Test-3

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

Subject Code: 3170726
Discipline: CE

Date: 18-09-2025
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). Explain any two key concepts of Object-Oriented Programming with examples.	04
	(b). Draw a flowchart or a DFD (Level 0) to represent a simple online student registration system.	06
Q2	(a). Write and explain any two phases of the Software Development Life Cycle (SDLC).	04
	(b). Explain the lifecycle of an Android Activity with a clean diagram.	06
Q3	(a). Draw a neat diagram of Android Architecture and label its components.	04
	(b). What are fragments in Android? Explain the fragment lifecycle with an example use case.	06

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