PRESIDENCY UNIVERSITY

BENGALURU

Make Up Examinations – December 2025

Date: 26 – 12- 2025   **Time:** 1.00pm to 04.00pm

School: SOCSE	**Program:** B.TECH.	
Course Code: CSE3082	**Course Name:** Object Oriented Analysis Design	
Semester: MK	**Max Marks**: 100	**Weightage**: 50%

CO - Levels	CO1	CO2	CO3	CO4	CO5
Marks	24	24	26	26	0

Instructions:

(i) Read all questions carefully and answer accordingly.

(ii) Do not write anything on the question paper other than roll number.

Part A

Answer ALL the Questions. Each question carries 2marks.   **10Q x 2M=20M**

1.	State any two advantages of using objects in system development.	2 Marks	L1	CO1
2.	Identify is the purpose of the OOSD Life Cycle.	2 Marks	L1	CO1
3.	List out two guidelines for object classification.	2 Marks	L1	CO2
4.	Explain the purpose of a Use Case Diagram.	2 Marks	L2	CO2
5.	Explain the purpose of a Sequence Diagram.	2 Marks	L2	CO3
6.	List two advantages of using layered architecture in design	2 Marks	L1	CO3
7.	Explain a Package in UML.	2 Marks	L2	CO3
8.	State any two advantages of component diagrams.	2 Marks	L2	CO4
9.	List out the types of nodes in a Deployment Diagram.	2 Marks	L1	CO4
10.	Explain regression testing in one line.	2 Marks	L2	CO4

Part B

Answer the Questions.   **Total Marks 80M**

11.	a.	Generalize the steps involved in Object-Oriented Analysis in Unified Approach.	10 Marks	L2	CO1
	b.	Explain the role of UML in Unified Approach and its importance in OOAD.	10 Marks	L2	CO1
		Or			
12.	a.	Compare the Booch and Jacobson methodologies.	5 Marks	L2	CO1
	b.	Explain Unified Approach with its processes and methods. Support your answer with a diagram.	15 Marks	L2	CO1

13.	a.	Summarize the significance and guidelines of Super-Sub Class relationships in OOA.	10 Marks	L2	CO2
	b.	Explain Use Case Driven Approach for identifying classes and objects with an example.	10 Marks	L2	CO2
		Or			
14.	a.	Explain the steps in the Noun Phrase approach with an example.	5 Marks	L2	CO2
	b.	Apply your understanding of UML to illustrate a Class Diagram for an Online Shopping System based on the given use cases.	15 Marks	L3	CO2

15.	a.	Explain the purpose and construction of a Sequence Diagram with an example scenario.	10 Marks	L2	CO3
	b.	Review the importance of packages and class management with UML package diagrams.	10 Marks	L2	CO3
		Or			
16.	a.	Summarize a short note on refining attributes in class design.	5 Marks	L2	CO3
	b.	Apply your understanding of UML Activity Diagrams to explain the sequence of operations involved in a Library Management System.	15 Marks	L3	CO3

17.	a.	Explain the role of Access Layer in Object Storage and Persistence.	10 Marks	L2	CO4
	b.	Review the importance of UI prototyping and its iterative process in OO design.	10 Marks	L2	CO4
		Or			
18.	a.	Explain the purpose and elements of a Deployment Diagram.	5 Marks	L2	CO4
	b.	Apply the concept of Deployment Diagrams to illustrate and explain the architecture of a Corporate Distributed System.	15 Marks	L3	CO4