H.T.No:

Course Code: **191CS6T13**

ADITYA ENGINEERING COLLEGE (A)
B.Tech – VI Semester End Examinations Regular (AR19) – JUN 2022

OBJECT ORIENTED ANALYSIS AND DESIGN
(Common to CSE & IT)

Time: 3 hours   **Max. Marks: 60**

Answer ONE question from each unit
All Questions Carry Equal Marks
All parts of the questions must be answered at one place only

UNIT – I

1		Briefly explain different phases of Unified Process along with Architectural view.	K2	CO1	[12M]

OR

2	a	Draw and explain the class diagram from generating a new Aadhar card	K2	CO1	[6M]
	b	Define Inception. Explain about artifacts of Inception	K2	CO1	[6M]

UNIT – II

3	a	Explain about Key abstraction and its mechanism	K2	CO2	[6M]
	b	Describe different types of relationships between classes	K2	CO2	[6M]

OR

4	a	What is the nature of the class and object? Explain how to identify classes and objects with suitable example	K2	CO2	[6M]
	b	Describe the importance of proper classification	K2	CO2	[6M]

UNIT – III

5	a	Differentiate between Collaboration and sequence diagram	K2	CO3	[6M]
	b	Develop an activity diagram to show the business process of Toll plaza	K2	CO3	[6M]

OR

6		Explain use-case driven approach in object oriented system development with the movie ticket booking system as a case study.	K2	CO3	[12M]

UNIT – IV

7	a	List out different types of Events	K2	CO4	[6M]
	b	Discuss about Modeling exceptions	K2	CO4	[6M]

OR

8		Explain the common modeling mechanisms of state chart diagram with an example. Discuss forward and reverse engineering.	K2	CO4	[12M]

UNIT – V

9		Draw the Component and Deployment diagrams for Airline Booking	K2	CO5	[12M]

OR

10	a	Define component, node and connectors. Discuss how components are related with interfaces	K2	CO5	[6M]
	b	Explain about deployment diagram with an example	K2	CO1	[6M]

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