H.T.No:						Course Code: 191CS6T12
11.1.110.						

## ADITYA ENGINEERING COLLEGE (A)

## **OBJECT ORIENTED ANALYSIS AND DESIGN**

		(Computer Science and Engineering)				
		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 pla	aco only			
IIN	IIT -		ice only			
1	a b	Explain the structure of Complex Systems and it's attributes.  Describe the various elements of the Object model in detail.	K2 K2	CO 1 CO 1	[6M] [6M]	
		OR				
2	a b	Discuss clearly about different Building Blocks of UML Draw and explain the class diagram for an ATM bank system.	K2 K2	CO 1 CO 2	[8M] [4M]	
IIN	IIT -	_ 11				
3	a	What is a nature of Class and Object? Explain how to identify Classes and Objects with suitable Examples.	K2	CO 2	[6M]	
	b	Justify the term "Importance of Proper Classification" with a suitable Example.	K3	CO 2	[6M]	
		OR				
4	a	Discuss the types of relationships among the classes.	K2	CO 2	[6M]	
	b	Discuss about identification of key mechanisms in classification.	K2	CO 2	[6M]	
UN	IIT .	- III				
5	a	Define use case. Explain about use case description with an example.	K2	CO 3	[6M]	
	b	Define activity diagram. Draw activity diagram for making a phone call.	K2	CO 3	[6M]	
		OR				
6	a	Draw the use case diagram for library management system.	K2	CO 3	[6M]	
	b	Distinguish between sequence and collaboration diagrams.	K2	CO 3	[6M]	
UN	IIT -	- IV				
7	a	Explain the following Terms. i) Events and Signals ii) Process and Thread	K2	CO 4	[6M]	

b	Describe components of State Chart diagram with example.	K2	CO 4	[6M]
b	Define State Diagram. Draw and explain Sample State diagram for Washing machine.			[6M]
a	Illustrate the standard stereotypes that apply to components.			[6M] [6M]
	related with interfaces.			[6M]
	a b IIT - a b	OR  a Define event. Discuss the different types of events. b Define State Diagram. Draw and explain Sample State diagram for Washing machine.  IIT - V  a Illustrate the standard stereotypes that apply to components. b Explain about Deployment diagram with an example.  OR  a Define component, port, and connectors. Discuss how components are related with interfaces. b Draw the component diagrams for	OR  a Define event. Discuss the different types of events. K2 b Define State Diagram. Draw and explain Sample State diagram for Washing machine.  IIT – V  a Illustrate the standard stereotypes that apply to components. K2 b Explain about Deployment diagram with an example. K2 OR  a Define component, port, and connectors. Discuss how components are related with interfaces. b Draw the component diagrams for K2	OR  a Define event. Discuss the different types of events.  b Define State Diagram. Draw and explain Sample State diagram for Washing machine.  IIT - V  a Illustrate the standard stereotypes that apply to components.  b Explain about Deployment diagram with an example.  OR  a Define component, port, and connectors. Discuss how components are related with interfaces.  b Draw the component diagrams for  K2 CO 5  K2 CO 5  K2 CO 5  K2 CO 5

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