	Reg. No.						
Question Paper Coo	le :	11533					

B.E. / B.Tech. - DEGREE EXAMINATIONS, NOV/DEC 2022

Sixth Semester

Computer Science and Engineering

(Common to Information Technology)

CS8592 - OBJECT ORIENTED ANALYSIS AND DESIGN

(Regulations 2017)

Duration: 3 Hours

Max. Marks: 100

$PART - A (10 \times 2 = 20 Marks)$

Answer ALL Questions

	1.	Wh	at is Unified Modeling Language (UML)?	Marks, K-Level, CO 2,K1,CO1
1	2.		ferentiate Iterative and Evolutionary Development.	2,K2,CO1
	3.		at is generalization? Give example.	2,K1,CO2
4	4.	Dif	ferentiate include from extend. Give example.	2,K2,CO2
	5.	List	Modifiers used to indicate visibility of attributes in class diagram.	2,K1,CO3
(5.		tinguish sequence diagram and Use case diagram	2,K2,CO3
,	7.	Wh	at is Bloated controller?	2,K1,CO5
-	8.	Def	ine Design Pattern.	2,K1,CO5
	9.	Dif	ferentiate alpha and beta testing?	2,K2,CO6
	10.	List	t the needs of quality assurance.	2,K1,CO6
	11.	a) b)	PART - B (5 × 13 = 65 Marks) Answer ALL Questions (i) Describe three perspectives to apply UML? (ii) Describe Inception phase and its activities. OR What is Unified Process? Explain Iterative Unified process and Agile Unified process.	7, K2,CO1 6, K2,CO1 13,K2,CO1
	12.	a)	 (i) Prepare and analyze a suitable example showing the various relationships used in Use Case and also give a short note on each relationship. (ii) Explain the types of actors in use case modeling. 	7,K2,CO2 6,K2,CO2
		b)	Explain the benefits and concepts of Use Case model and evaluate the ATM system by relating Use Cases.	-13,K2,CO2
				11522

11533

13.	a)	Summarize the Elaboration phase with its artifacts. Discuss the difference between elaboration and inception with example. OR	13,K2,CO3
	b)	Explain how to create domain model. Explain domain model creation with point of sale machine.	13,K2,CO3
14.	a)	Illustrate the following GRASP patterns: (i) Creator	13,K2,CO5
		(ii) Information Expert	
		(iii) Low coupling	
		(iv) High cohesion	
		OR	7, K2,CO5
	b)	(i) Differentiate Adapter and Bridge pattern.	6, K2,CO5
		(ii) Analyze the concept of Singleton pattern.	
15.	a)	What is integration testing? Explain various testing for integration of system.	13,K2,CO6
		OR	
	b)	Describe test plan. List out the steps are followed in developing a test plan?	13,K2,CO6
		$PART - C (1 \times 15 = 15 Marks)$	
16.	a)	for the following: (i) Object destruction	15,K3,CO4
		(ii) Frames	
		(iii) Conditional message (iv) Mutually exclusive conditional message	
		(v) Iterations over a collection	
		OR	
	b)	Develop and draw the following UML diagrams for ATM Machine (i) Sequence diagram (ii) Activity diagram. (iii) State chart diagram	15,K3,CO4