SEAT No. : 3190954274

P.T.O.

PA-916

[5927]-348

[Total No. of Pages : 2

B.E. (Computer Engineering) OBJECT ORIENTED MODELING AND DESIGN (2019 Pattern) (Semester - VII) (410244 D) (Elective - III)

		½ Hours] [Max. Marks	: 70
Instr		ions to the candidates:	
	1) 2)	Attempt Q.No. Dor 2, Q.No.3 or 4, Q.No. 5 or 6, Q.No. 7 or 8. Figures to the right indicate full marks.	
	3)	Neat diagrams must be drawn wherever necessary.	
	4)	Assume suitable data, if necessary.	
		O' GA.	
Q1)	a)	What is Interaction Diagram? Explain Different Components of Seque	
		diagram.	[6]
	b)	Compare Sequence diagram and Activity diagram.	[6]
	(c)	Design use case diagram for online reservation system.	[6]
		OR	
Q2)	a)	What are Composite states? Explain Categories of Composite states	s.[6]
	b)	Explain following terms with respect to use case.	[6]
		i) Use Case.	
		ii) Actor.	
		iii) System Boundary	
	c)	Draw Activity Diagram for ATM Machine.	વંદ્રી
	•)		14.
Q3)	a)	Discuss the steps involved in constructing Application class me	odel odel
<i>Q3)</i>	aj	Explain with suitable example.	[6]
	b)	What is meant by sub system in system design? Explain breakir	
	U)	system into subsystems and allocation of subsystems.	[6]
	(۵	What are categories of External Control? Explain in Detail.	
	c)		[5]
		OR COMPANY	
Q4)	a)	Explain in detail components of a component diagram.	[6]
	b)	Explain following with respect to deployment diagram.	[6]
		i) Node.	
		ii) Association.	
		iii) Dependency	
	c)	Draw Deployment diagram for ATM System.	[5]

Q5)	a)	Prepare a data dictionary for a ATM system scenario. Explain element in a brief.	each [6]
	b)	What is abstraction? Explain different categories of abstraction.	[6]
	c)-	What do you mean by System Design? Explain with suitable examp	
		COR	20.[0]
Q6)	a) ,	Give detailed guidelines for finding and defining classes involv	ed in
		software system scenario.	[6]
	b)	List and Explain different types of dependencies in package.	[6]
	c) '	Discuss how you identify use cases and actors with respect to use	
		diagrams.	[6]
Q7)	a)	Explain.	[6]
		i) Creational Patterns.	. ,
		ii) Structural Patterns.	
		iii) Behavioral Pattern.	
77	(b)	i) Creational Patterns. ii) Structural Patterns. iii) Behavioral Pattern. Discuss Adapter Design Pattern.	[6]
(c)	Discuss Observer Design Pattern Pub Sub	[5]
			. ,
Q8)	a)	What is Design Pattern? Explain different types of design Patterns.	[6]
	b)	State and explain entities involved in design pattern.	[6]
	c)	Explain Strategy Design patterns?	[5]
		of the second se	,5
			-
		\$5° \$ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★	
		* * * *	
		20° 20°	
		0,70	
		15.12. da. * * * * * * * * * * * * * * * * * * *	