R13

[10]

Code No: 126EQ

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD B. Tech III Year II Semester Examinations, May - 2017 OBJECT ORIENTED ANALYSIS AND DESIGN

(Common to CSE, IT)

Time:	3 hours	Max. Marks:	75
Note:	This question paper contains two parts A and B. Part A is compulsory which carries 25 marks. Answer all question consists of 5 Units. Answer any one full question from each unit. 10 marks and may have a, b, c as sub questions.	ons in Part A. Part Each question carri	Bies
	PART-A		4
		(25 Mark	(s)
1.a) b) c) d) e) f) g)	List the principles of modeling in UML. What are the four aims of modeling? Write the steps for modeling distribution. Define responsibility with an example. Write the uses of interaction diagram. What is activity diagram? Give the graphical representation of messages, links and sequen	[2] [3] [2] [3] [2] [3] noting of interaction [2]	ns.
h) i) j)	Give an example Collaboration diagram and explain. Define pattern with an example. What is an use case diagram? PART - B	[3] [2] [3] [50 Mark	
		(50 Mark	(8)
2.a) b) 3.a) b)	Explain about the common division mechanisms of UML in detail. Discuss the Software development life cycle with a neat diagram. OR Illustrate the conceptual model of UML in detail. What is UML? Elaborate the object oriented design with an examp	[5+	
4.	Enumerate the steps to model the client-server systems.	[1	0]
5.a) b) 6.	OR Draw and explain the class diagram for an ATM bank system. Explain about links and associations in detail. Draw the complete use case diagram for the library system and expand responsibilities of various actors.	[5+ Solain the relationshi [1	A.
7	OR	ne airline reservation	on
7.	Draw the usecase diagram and the activity diagram for an onlin system. Summarize the purpose of each usecase, actor, and its	importance. Brief	fly

explain various activity states and action states in the activity diagram.

What are the various object participating in the library information system? Explain the object diagram that is associated with various interactions with a neat diagram. [10] OR					
Explain "Iss	uing of a book" o	peration using co	Ilaboration diagr		
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