## R13 JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD B. Tech III Year II Semester Examinations, May - 2016 OBJECT ORIENTED ANALYSIS AND DESIGN (Common to CSE, IT)

## Time: 3 hours

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**Note:** This question paper contains two parts A and B. Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

			RT - A:		(25 Marks)
1.a)	What is an artifact?				[2]
b)	What are the adornment	nts in the UML?	)		[3]
c)	What is navigation?				[2]
d)	Explain the levels of v	isibility.			[3]
e)	What is use case diagr	am?	· · · · · ·	**** * * *	[2]
f)	What are interaction d	iagrams?			[3]
g)	What is a component?				[2]
.h)	What is a deployment	diagram?			[3]
i)	What are the common	uses of deployn	nent diagrams?		[2]
j)	What are the three kind	ls of component	ts?		[3]
		PA	RT - B		
					(50 Marks)
2	XX71 - 4 1 - 1 1 - 1	·			
2.a)	What are benavioral th	ings? Explain.			
D.) :	what is UML? where	can the UML to	OP Used .	8 8 8 8 8 8 8 8 8 8	···· [3+3]
2 0)	What are the principles	of modeling?	U <b>K</b> Evoluin		
$(\mathbf{5.a})$	Draw the architecture of	of a software int	ansiva system a	ndevolain	[5+5]
0)	Draw the architecture (		ensive system a	nu explain.	[3+3]
4 a).	What are the various ki	inds of Classifie	rs? Explain	**** ****	****
b)	How to model the sean	ns in a system?			[5+5]
0)	now to moder the sound	is in a system.	OR		[3+3]
(5.a)	Explain about generaliz	zation with an e	xample.		
b)	Describe interfaces, tyr	bes and roles with	th examples.		[5+5]
	51				
6.a)	Explain about use case	s and actors and	use cases and f	low of events.	× * * * * * * * * * * * * * * * * * * *
b)	How to model a flow o	f control?			[5+5]
,			OR		
7.a)	Explain sequence diagr	am with suitable	e example.		
b) How to model the requirements of a system?				[5+5]	
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	8.a) Expla	in the following:			40x 2943 9 2 3 4 9 2 4 4 9 2 4 4 9 2 4 9 2 4 9 2 4 9 4 4 10 4 10 4 10 4 10 4 10 4 10 4 10 10 4 10 10 10 10 10 10 10 10 10 10 10 10 10		
	ii) Tir b) How t	ne and space to model an API	?	)D		[5+5]	
×∧ × × ×	9.a) How ( b) Differ i) Cor ii) No	to model an emb rentiate the follow nponents and cla des and compon	edded system? wing:		ÖR	(iii) [4+6]	
	10. Expla a) Pat	in the following: terns and archite deling an execut	cture able release.	)R		:; [5+5]	1911 1914 1914 1914 1915 1915 1917 1917 1917 1917 1917 1917
	11. Draw a) Cla b) Inte	the following di ss diagrams eraction diagram	agrams for the un	ified library app	olication:	[5+5]	
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