Code No: 126EQ JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD B. Tech III Year II Semester Examinations, October/November - 2016 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 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.

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1.a) b) c) d) e) f) g) h) i)	Explain the structural the Distinguish between in Discuss various uses of Explain with an examp Distinguish between ac	hings in UML. terface and class object diagram. le how: to depict tion state and act active classes. of an object?	an asynchronou	is message.	[2] [3] [2] [3] [2] [3] [2] [3] [2]	<u>S</u> E
j)	Discuss the significance	e of patterns.			[3]	
PART - B						
(50 Marks)						
2. State and explain the common mechanisms in the UML. [10 OR						
3.	Discuss about modeling				(); (); (); (); (); (); (); (); (); ();	
4. Discuss how classes can be used for modeling the non software things and modeling primitive types. [10]						
OR						
5. 6.	Explain with an example Explain with an example organization.		flow of control	*** **** * * * * * * * *	[10] w of control by [10]	
7. How to model requirements of a system. Explain with an example. [10]						
8. What is meant by state machine? Discuss about sequential substates and history states with an example. [10]						943 X483 6 X 4 5 7 5 4 5 7 4 7 8 4 7 8 4 7 7 8 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8
9.	Explain about communic			a suitable examp	le. [10]	
10 11.	Write the class diagram f	OF	library applicat	tion.	[10]	

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