## JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD MCA III Semester Examinations, February - 2021 OBJECT ORIENTED ANALYSIS AND DESIGN USING UML

Time: 2 hours

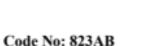
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## Answer any five questions All questions carry equal marks ---

1.a) b)	What is UML? Explain briefly. Explain briefly on Modeling different views of a system and Modeling.	[7+8]
2.	Explain the various phases existing in SDLC.	[15]
3.a) b)	Discuss about class diagram and object diagram with example. Explain briefly Common Mechanisms in Basic Structural modeling.	[7+8]
4.a) b)	Explain about various stereo types dependency among the class and objects. Explain various behavioral diagrams in the UML.	[7+8]
5.	What is sequence diagram? Draw sequence diagram for login authentication.	[15]
6.a) b)	Explain briefly interaction diagrams with examples. Draw a use case diagram for credit card validation system.	[7+8]
7.	What is Component Diagrams? Explain the relationship between component interfaces.	ent and its [15]
8.	Define Pattern? Explain various design patterns with examples.	[15]

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Max. Marks: 75