

B.Tech III Year II Semester (R09) Supplementary Examinations May/June 2017

**OBJECT ORIENTED ANALYSIS & DESIGN**

(Common to CSE, IT and CSS)

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions  
All questions carry equal marks

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- 1 (a) Explain about the semantic rules of UML.  
(b) Explain about sequence diagram with example in detail.
- 2 (a) Draw UML diagram for importing and exporting of a package.  
(b) Draw a UML diagram for five standard stereo types of a package.
- 3 Explain about the following:  
(a) Class diagram.  
(b) Steps involved in modeling database schema.
- 4 Explain and draw the collaboration diagram for while dialing use case for Cellular Phone Connection.
- 5 Define a object flow. Explain briefly how objects are involved in the flow of control associate with an activity diagram.
- 6 Define an event and a signal. Explain briefly about the common modeling techniques of events and signals.
- 7 (a) Enumerate the steps to model a fully distributed system.  
(b) What are the common uses and common properties of components diagrams? Explain.
- 8 What are the states that are associated with Borrowing a book from a library system? Draw the state chart diagram that explain various states of a book during the processing.

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