

Code: 9A05601

**R09**

B.Tech III Year II Semester (R09) Regular & Supplementary Examinations May/June 2015

**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 Explain in brief about various diagrams of UML in detail.
- 2 Explain about the steps involved in modeling the web relationships.
- 3 Explain and draw the class diagram for ticket vending machine.
- 4 Explain in detail about the sequence diagram with an example.
- 5
  - (a) What are the contents and common uses of activity diagrams?
  - (b) Differentiate between the action states and activity states.
  - (c) What is a trigger less transition? Explain with an example.
- 6
  - (a) List and explain various kinds of events in UML.
  - (b) Enumerate the steps to model the kinds of exceptions that an object may throw, through its operations.
- 7
  - (a) Enumerate the steps to model the client-server systems.
  - (b) What are the properties of components and component diagrams? Explain briefly.
- 8
  - (a) What are the packages in the Library system? Explain.
  - (b) Draw a sequence diagram for the use case 'Lend item' and explain.

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