Code No.: 9A05601/R09

B.Tech. III Year II Semester Regular and Supplementary Examinations

Set-3

April/May - 2013

OBJECT ORIENTED ANALYSIS AND 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 how the UML addresses four aims of modeling.

2. Explain about the steps for modeling the architectural views.

3. Explain and draw the object diagram for student course registration.

4. Explain and draw the sequence diagram for treatment use case between patient and doctor.

5. Draw the use case diagram and the activity diagram for an online airline reservation system. Summarize the purpose of each use case, actor and its importance. Briefly explain various activity states and action states in the activity diagram.

6. Explain the forward engineering tool and reverse engineering tool for a sample code with respect to the state chart diagram.

7. (a) Define component. What are the differences between components and classes? How are component and interface related?

   (b) What are the properties of components?

   (c) What are the standard stereotypes that apply to components?

8. (a) Draw a class diagram showing architectural overview of the library system.

   (b) Explain 'Issuing of a book' operation using collaboration diagram.