

Code: 9A05601

B.Tech III Year II Semester (R09) Supplementary Examinations December/January 2014/2015

**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 about the modeling of system architecture in detail.
- 2 (a) Explain about the steps for modeling the 'comment' with an example.  
(b) Explain about the steps for modeling new building blocks.
- 3 Define D object diagram. Explain about the graphical representation of an object diagram of UML in detail.
- 4 Explain about the following:  
(a) Collaboration in interaction.  
(b) Sequencing in interaction.
- 5 (a) Draw a use case diagram that depicts the context of a credit card validation system. Explain briefly.  
(b) Draw the UML diagram to model the requirements of a system. Explain briefly.
- 6 (a) Explain the need of synchronization along with the three properties.  
(b) Enumerate the steps in modeling the multiple flows of control with the help of an example.
- 7 (a) Define component. What are the differences between components and classes? How are components and interfaces related?  
(b) What are the properties of components?  
(c) What are standard stereotypes that apply to components?
- 8 Explain the two interaction diagrams for "Issue of a book" and "renewal of a book" operations in a library.

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