

Code No: V3227

R07

Set No: 1

III B.Tech. II Semester Supplementary Examinations, April/May - 2013

OBJECT ORIENTED ANALYSIS AND DESIGN

(Common to CSE, IT)

Time: 3 Hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. a) What are the principles of the modeling?
b) Explain importance of the modeling?
2. a) Explain modeling vocabulary of system
b) Explain modeling structural relationship with example.
3. a) Define interface? Explain static & dynamic types.
b) Define package? Explain modeling group of elements
4. Explain sequence diagram and collaboration diagram with example.
5. a) Define use case? Design an use case diagram for ATM bank application.
b) What is forking & joining? Describe swimlanes & object flow with neat diagram.
6. Describe state chart diagram and explain what are the common uses of state chart diagram.
7. a) Explain forward and reverse engineering of a component diagram
b) Explain modeling processors and devices
8. Draw component diagram for unified library management system and explain in detail.



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Set No: 2

III B.Tech. II Semester Supplementary Examinations, April/May - 2013

OBJECT ORIENTED ANALYSIS AND DESIGN

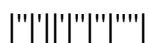
(Common to CSE, IT)

Time: 3 Hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. Define UML & Explain Software Development Life Cycle?
2. a) Explain structural diagrams and behavioral diagram.
b) Explain different level of abstraction.
3. a) Explain generalization and realization relationship in detail.
b) Define class diagram? Explain forward and reverse engineering of a class diagram.
4. a) Explain modeling flow of control by organization.
b) Draw collaboration diagram for money withdraw from ATM.
5. a) Define use case diagram? What are the common uses of Use case diagram?
b) Draw use case diagram for library information system.
6. a) Explain modeling a family of signals and explain modeling exception.
b) Describe state chart diagram and explain what are the common uses of state chart diagram?
7. a) Explain modeling the distribution of components.
b) What are the common uses of component diagram.
8. Define Deployment and Explain the terms and conditions of deployment diagram with an example?



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Set No: 3

III B.Tech. II Semester Supplementary Examinations, April/May - 2013

OBJECT ORIENTED ANALYSIS AND DESIGN

(Common to CSE, IT)

Time: 3 Hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. a) Explain architecture of the uml.
b) Explain the conceptual model of the uml.
2. a) Define relationship? Explain the advanced dependency relationship and association relationship.
b) Explain modeling single inheritance with example.
3. a) Explain modeling techniques for class and object with example?
b) What are the common uses of a class diagram? Explain modeling simple collaborations.
4. a) Explain modeling flow of control by time ordering.
b) Draw sequence diagram for login operation in ATM model.
5. a) How many ways we use activity diagram explain in detail.
b) Draw activity diagram for issue of a book in library information system
6. a) Explain modeling a family of signals with example.
b) Explain modeling the lifetime of an object.
7. a) Define component diagram? What are the common uses of component diagram?
b) Explain modeling a client/server system.
8. a) Draw sequence diagram for book issue & issue member ship in library management system.
b) Draw collaboration diagram for fine collection & book return in library management system.



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Set No: 4

III B.Tech. II Semester Supplementary Examinations, April/May - 2013

OBJECT ORIENTED ANALYSIS AND DESIGN

(Common to CSE, IT)

Time: 3 Hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. a) Explain unified software development process.
b) Explain common mechanisms in uml.
2. a) Define responsibility? Explain modeling the distribution of responsibilities in a system.
b) Write a short note on (i) stereo types (ii) Adornment (iii) Tagged values
3. a) Define classifier? Explain kind's classifiers with example.
b) Define object diagram? Explain modeling object structure.
4. Explain behavioral modeling interactions.
5. a) Explain modeling behavior of element.
b) Explain context of a system.
6. a) Define event? Explain kinds of events with example.
b) Explain modeling distribution of objects.
7. a) Define component? Explain kinds of components.
b) Explain modeling distribution of components.
8. a) Draw class diagram for unified library management system.
b) Draw use case diagram unified library management system.

