Code.No: RR310506 | RR | SET-1

III B.TECH – I SEM EXAMINATIONS, NOVEMBER - 2010
OBJECT ORIENTED ANALYSIS AND DESIGN THROUGH UML
(COMMON TO CSE, IT)

Time: 3hours **Max.Marks:80**

Answer any FIVE questions
All questions carry equal marks
- - -

1.a) Explain about designing complex systems.
b) How are classes and objects identified from a given problem description.
c) Does inheritance break encapsulation? Justify your answer
d) Differentiate between data model and object model. [4+4+4+4]

2.a) Explain the classification of things with UML notation.
b) Explain about the extensibility mechanism in the UML [10+6]

3. Describe the sterotypes that may be applied to dependency relationship. [16]

4.a) Draw and explain the class diagram for a library information system.
b) What are properties of a well – structured object diagram. [8+8]

5.a) Differentiate between sequence and collaboration diagrams.
b) Draw and explain a sequence diagram that specifies the flow of control involved in initiating a simple two party phone call system. [8+8]

6.a) Draw & explain a use case diagram that depict the context of a credit card validation system.
b) Enumerate the steps to model a workflow with reference to activity diagram.[8+8]

7.a) Draw a state machine for the controller in a home security system.
b) Explain the parts of transition. [8+8]

8.a) Differentiate between components and classes.
b) What are the contents, common properties and common uses of component diagrams. [4+12]

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Code.No: RR310506 | RR | SET-2

III B.TECH – I SEM EXAMINATIONS, NOVEMBER - 2010
OBJECT ORIENTED ANALYSIS AND DESIGN THROUGH UML
(COMMON TO CSE, IT)

Time: 3hours **Max.Marks:80**

Answer any FIVE questions
All questions carry equal marks
- - -

1. Describe the sterotypes that may be applied to dependency relationship. [16]

2.a) Draw and explain the class diagram for a library information system.
b) What are properties of a well – structured object diagram. [8+8]

3.a) Differentiate between sequence and collaboration diagrams.
b) Draw and explain a sequence diagram that specifies the flow of control involved in initiating a simple two party phone call system. [8+8]

4.a) Draw & explain a use case diagram that depict the context of a credit card validation system.
b) Enumerate the steps to model a workflow with reference to activity diagram.[8+8]

5.a) Draw a state machine for the controller in a home security system.
b) Explain the parts of transition. [8+8]

6.a) Differentiate between components and classes.
b) What are the contents, common properties and common uses of component diagrams. [4+12]

7.a) Explain about designing complex systems.
b) How are classes and objects identified from a given problem description.
c) Does inheritance break encapsulation? Justify your answer
d) Differentiate between data model and object model. [4+4+4+4]

8.a) Explain the classification of things with UML notation.
b) Explain about the extensibility mechanism in the UML [10+6]

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Code.No: RR310506 | RR | SET-3

III B.TECH – I SEM EXAMINATIONS, NOVEMBER - 2010
OBJECT ORIENTED ANALYSIS AND DESIGN THROUGH UML
(COMMON TO CSE, IT)

Time: 3hours **Max.Marks:80**

Answer any FIVE questions
All questions carry equal marks
- - -

1.a) Differentiate between sequence and collaboration diagrams.
b) Draw and explain a sequence diagram that specifies the flow of control involved in initiating a simple two party phone call system. [8+8]

2.a) Draw & explain a use case diagram that depict the context of a credit card validation system.
b) Enumerate the steps to model a workflow with reference to activity diagram. [8+8]

3.a) Draw a state machine for the controller in a home security system.
b) Explain the parts of transition. [8+8]

4.a) Differentiate between components and classes.
b) What are the contents, common properties and common uses of component diagrams. [4+12]

5.a) Explain about designing complex systems.
b) How are classes and objects identified from a given problem description.
c) Does inheritance break encapsulation? Justify your answer
d) Differentiate between data model and object model. [4+4+4+4]

6.a) Explain the classification of things with UML notation.
b) Explain about the extensibility mechanism in the UML [10+6]

7. Describe the sterotypes that may be applied to dependency relationship. [16]

8.a) Draw and explain the class diagram for a library information system.
b) What are properties of a well – structured object diagram. [8+8]

--ooOoo--

Code.No: RR310506 | RR | SET-4

III B.TECH – I SEM EXAMINATIONS, NOVEMBER - 2010
OBJECT ORIENTED ANALYSIS AND DESIGN THROUGH UML
(COMMON TO CSE, IT)

Time: 3hours **Max.Marks:80**

Answer any FIVE questions
All questions carry equal marks
- - -

1.a) Draw a state machine for the controller in a home security system.
b) Explain the parts of transition. [8+8]

2.a) Differentiate between components and classes.
b) What are the contents, common properties and common uses of component diagrams. [4+12]

3.a) Explain about designing complex systems.
b) How are classes and objects identified from a given problem description.
c) Does inheritance break encapsulation? Justify your answer
d) Differentiate between data model and object model. [4+4+4+4]

4.a) Explain the classification of things with UML notation.
b) Explain about the extensibility mechanism in the UML [10+6]

5. Describe the sterotypes that may be applied to dependency relationship. [16]

6.a) Draw and explain the class diagram for a library information system.
b) What are properties of a well – structured object diagram. [8+8]

7.a) Differentiate between sequence and collaboration diagrams.
b) Draw and explain a sequence diagram that specifies the flow of control involved in initiating a simple two party phone call system. [8+8]

8.a) Draw & explain a use case diagram that depict the context of a credit card validation system.
b) Enumerate the steps to model a workflow with reference to activity diagram.[8+8]

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