

Code No: RR310506

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SET-1

**B.Tech III-I Semester Examinations,
OBJECT ORIENTED ANALYSIS AND DESIGN THROUGH UML
(COMPUTER SCIENCE AND ENGINEERING, INFORMATION TECHNOLOGY)**

Time: 3 hours

Max. Marks: 80

**Answer any five questions
All questions carry equal marks**

- 1.a) Distinguish between view point oriented analysis and method based analysis.
- b) Explain various activities in requirement engineering process. [8+8]
- 2.a) Discuss how UML is evolved? Explain various things in UML.
- b) Why Object Oriented Approach is preferable when compared to other approaches? [8+8]
- 3.a) What are the four basic relationships defined in UML? Give suitable examples for usage of each type of relationships?
- b) What are the various stereo types that can be defined on dependency relationship? Explain them with suitable examples? [8+8]
- 4.a) Distinguish between class diagrams & Object class diagrams.
- b) State and explain the common modeling techniques of class diagrams. [8+8]
- 5.a) Where you will use sequence and collaboration diagram while modeling a system In object oriented approach? Discuss the use of self in messages?
- b) Discuss how to depict iterated messages and broad cast messages in interaction diagrams. [8+8]
- 6.a) What is meant by a use case? Explain about use case description with an example?
- b) State and explain the common modeling techniques of use case diagrams. [8+8]
- 7.a) Discuss the significance of state chart diagrams in modeling a system.
- b) What is meant by a deployment diagram? Discuss common modeling techniques of it? [8+8]
8. Write short notes on any three of the following:
 - a) Component diagram
 - b) Activity diagram
 - c) Non functional requirements
 - d) Modeling of events and signals. [16]

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Time: 3 hours

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- 1.a) What are the four basic relationships defined in UML? Give suitable examples for usage of each type of relationships?
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- b) State and explain the common modeling techniques of class diagrams. [8+8]
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6. Write short notes on any three of the following:
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- b) Explain various activities in requirement engineering process. [8+8]
- 8.a) Discuss how UML is evolved? Explain various things in UML.
- b) Why Object Oriented Approach is preferable when compared to other approaches? [8+8]

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SET-3

**B.Tech III-I Semester Examinations,
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Time: 3 hours

Max. Marks: 80

**Answer any five questions
All questions carry equal marks**

- 1.a) Where you will use sequence and collaboration diagram while modeling a system In object oriented approach? Discuss the use of self in messages?
b) Discuss how to depict iterated messages and broad cast messages in interaction diagrams. [8+8]
- 2.a) What is meant by a use case? Explain about use case description with an example?
b) State and explain the common modeling techniques of use case diagrams. [8+8]
- 3.a) Discuss the significance of state chart diagrams in modeling a system.
b) What is meant by a deployment diagram? Discuss common modeling techniques of it? [8+8]
4. Write short notes on any three of the following:
a) Component diagram
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b) What are the various stereo types that can be defined on dependency relationship? Explain them with suitable examples? [8+8]
- 8.a) Distinguish between class diagrams & Object class diagrams.
b) State and explain the common modeling techniques of class diagrams. [8+8]

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SET-4

**B.Tech III-I Semester Examinations,
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Time: 3 hours

Max. Marks: 80

**Answer any five questions
All questions carry equal marks**

- 1.a) Discuss the significance of state chart diagrams in modeling a system.
- b) What is meant by a deployment diagram? Discuss common modeling techniques of it? [8+8]

2. Write short notes on any three of the following:
 - a) Component diagram
 - b) Activity diagram
 - c) Non functional requirements
 - d) Modeling of events and signals. [16]

- 3.a) Distinguish between view point oriented analysis and method based analysis.
- b) Explain various activities in requirement engineering process. [8+8]

- 4.a) Discuss how UML is evolved? Explain various things in UML.
- b) Why Object Oriented Approach is preferable when compared to other approaches? [8+8]

- 5.a) What are the four basic relationships defined in UML? Give suitable examples for usage of each type of relationships?
- b) What are the various stereo types that can be defined on dependency relationship? Explain them with suitable examples? [8+8]

- 6.a) Distinguish between class diagrams & Object class diagrams.
- b) State and explain the common modeling techniques of class diagrams. [8+8]

- 7.a) Where you will use sequence and collaboration diagram while modeling a system In object oriented approach? Discuss the use of self in messages?
- b) Discuss how to depict iterated messages and broad cast messages in interaction diagrams. [8+8]

- 8.a) What is meant by a use case? Explain about use case description with an example?
- b) State and explain the common modeling techniques of use case diagrams. [8+8]

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