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<b>R-14</b>
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**Code: 4G463**

III B.Tech. II Semester Supplementary Examinations May 2019

**Object Oriented Analysis and Design**

( Common to CSE & IT )

Max. Marks: 70

Time: 3 Hours

Answer all five units by choosing one question from each unit ( 5 x 14 = 70 Marks )

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<b>UNIT-I</b>
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- 1. a) What is the importance of modeling? Explain the principles of modeling.
- b) How to model a system's Architecture?

**OR**

- 2. Explain about structural things of UML in detail.

<b>UNIT-II</b>
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- 3. Discuss the Advanced Relationships in UML

**OR**

- 4. What is the role of a Class Diagram? Develop a library information system using Class Diagram.

<b>UNIT-III</b>
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- 5. What is a swimlane? What are the uses of using a swimlane in an activity diagram?

**OR**

- 6. a) Define Use case? What are the points to be considered to model the context of a system using Use case diagram?
- b) Draw the Use case Diagram for Library Management System?

<b>UNIT-IV</b>
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- 7. a) Give brief discussion about various kinds of events?
- b) Define a state? What are the important parts of a state?

**OR**

- 8. What is State Chart Diagram? Explain the properties of state chart diagram and draw the state chart diagram for Library System

<b>UNIT-V</b>
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- 9. Compare component diagram and deployment diagram with an example

**OR**

- 10. a) Draw the Component Diagram for Library System
- b) Draw the Deployment Diagram for Library System?

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