

Seat No.	
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**T.E. Computer Science and Engineering (Semester - V) (Revised)  
Examination, May - 2019**

**OBJECT ORIENTED MODELING AND DESIGN**

**Sub. Code : 66295**

**Day and Date : Monday, 13-05-2019**

**Total Marks : 50**

**Time : 02.30 p.m. to 04.30 p.m.**

**Instructions : 1) All the questions are compulsory.**

**2) Figures to the right indicate full marks.**

**Q1) Answer any two :**

- a) Explain the three models of OMT. [7]
- b) Draw top level data flow diagram for ATM. Expand ATM performed transaction process to low level data flow diagram. [7]
- c) Explain in detail actions taken by designer in design optimization. [7]

**Q2) Answer any two :**

- a) Write note on : [6]
  - i) Metadata.
  - ii) Candidate key.
- b) Draw and explain the state diagram for phone line. [6]
- c) Explain how association can be used in object design. [6]

**Q3) Answer any two :**

- a) Explain adornments that apply to associations. [6]
- b) Explain include and Extend relationship in use case diagram with suitable example. [6]
- c) Explain deployment diagram, its contents and uses. [6]

**Q4) Answer any two :**

- a) Explain different UML diagrams with their purpose. [6]
- b) What is component? Give difference between components and classes. [6]
- c) Write a note on frameworks. [6]

