Seat No. ☐

**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]

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