Seat No.

T.E. (C.S.E.) (Semester - V) (Revised)
Examination, November - 2019
OBJECT ORIENTED MODELING AND DESIGN
Sub. Code: 66295

Day and Date : Wednesday, 27 - 11 - 2019   **Total Marks : 50**
Time : 2.30 p.m. to 4.30 p.m.

Instructions :
1) All the questions are compulsory, provided internal options in each question.
2) Figures to the right indicate full marks.

Q1) a) Explain Object Modeling Technology (OMT) stages.   **[7]**

   b) Explain the following advanced dynamic modeling concepts: **[7]**

   i) Entry and Exit Actions

   ii) Internal Actions

   iii) Automatic Transitions

<div align="center">OR</div>

   c) List and explain the steps involved in designing the algorithms.   **[7]**

Q2) a) Explain the following terms with respect to object modeling.   **[6]**

   i) Multiplicity

   ii) Role Names

   iii) Qualification

   b) What is Data Flow diagram and explain its components.   **[6]**

<div align="center">OR</div>

   c) Explain breaking a system into subsystem with respect to system design.   **[6]**

Q3) a) Explain Structural things of UML.   **[6]**

b) Explain interaction diagram, its contents and common uses.   **[6]**

OR

c) Explain following terms with respect to architectural modeling.   **[6]**

i)   Mechanisms

ii)   Node and Names

iii) Collaborations

Q4) a) Explain class diagram, its properties, contents and common uses.   **[6]**

b) Draw and explain state chart diagram for ATM.   **[6]**

OR

c) What is use case diagram? Draw use case diagram for credit card validation system.   **[6]**

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