Seat No.	

SC - 186

Total No. of Pages : 2

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

OR

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]**

OR

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

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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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