Seat No.	

T.E. (C.S.E.) (Part-III) (Semester - V) (Revised)
Examination, April - 2018
OBJECT ORIENTED MODELING AND DESIGN
Sub. Code : 66295

Day and Date : Thursday, 26 - 04 - 2018 **Total Marks : 50**
Time : 09.30 a.m. to 11.30 a.m.

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

Q1) Attempt **any two** questions out of three. **[2 × 7 = 14]**

   a) Explain link and association concepts. **[7]**

   b) Explain following terms with respect to dynamic modeling. **[7]**

      i) State generalization

      ii) Conditions

   c) Explain phases of OMT Methodology. **[7]**

Q2) Attempt **any two** questions out of **three:** **[2 × 6 = 12]**

   a) Explain how operation in aggregation gets propagated. **[6]**

   b) Explain functional model with example. **[6]**

   c) Explain the actions taken by algorithm designer while designing algorithms. **[6]**

Q3) Attempt **any two** questions out of **three:** **[2 × 6 = 12]**

   a) Explain the conceptual model of UML in brief. **[6]**

   b) Draw use case diagram for credit card validation system. **[6]**

   c) Explain patterns and frameworks. **(6)**

P.T.O.

Q4) Attempt **any two** questions out of **three:** [2 × 6 = 12]

   a)   Explain following terms with respect ot UML [6]

      i)   Generalization

      ii)   Aggregation

      iii)   Multiplicity

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

   c)   Write note on - component diagrams. [6]

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