



Object Oriented Modelling & Design (New) (1240)

P. Pages : 2

Time : Three Hours

Max. Marks : 100

Instructions to Candidates :

1. Do not write anything on question paper except Seat No.
2. Answer sheet should be written with blue ink only. Graph or diagram should be drawn with the same pen being used for writing paper or black HB pencil.
3. Students should note, no supplement will be provided.
4. Solve **any two** questions from each unit.
5. Assume suitable data if necessary.
6. Figures on right hand indicates full marks.

UNIT - I

1. What is RUP ? Explain its evaluation criteria of each phase. **10**
2. What is OMT ? What are characteristics of object, Explain with example. **10**
3. Explain 4 + 1 view Architecture. Describe the objective and advantages of each view of the system. **10**

UNIT - II

4. Explain extensibility mechanism in UML ? Give suitable examples. **10**
5. Describe OCL (object constraint language) with its datatypes and syntax. **10**
6. What are categories of UML diagram ? Explain new features of UML. **10**

UNIT - III

7. What is CRC card and where it is used ? Explain CRC method in detail. **10**

8. Explain eight stereotypes applied to dependency relationship on classes and object in class diagram. 10
9. Describe with Notations and examples of 10
- a) Part
 - b) Interfaces
 - c) Relationship
 - d) Types and Roles

UNIT - IV

- 10 Describe following items in Interaction overview diagram. 10
- a) Interaction
 - b) Signals
 - c) Regions
 - d) Partition
11. Draw a state diagram for Phone Line System. 10
12. Explain with Example following notations of Activity diagram, 10
- a) Branching
 - b) Forking and Joining
 - c) Swim Lanes
 - d) Object and object flow

UNIT - V

- 13 State similarities and difference between 10
- a) Component and classes
 - b) Nodes and components
14. Discuss UML web application in detail. 10
15. How you model Embedded system in deployment diagram. 10
