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मन - 068

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. Answersheet 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** sub - questions from each unit.
5. Draw neat diagram wherever necessary.

UNIT - I

1. a) Describe the goal and characteristics of Rational Unified Process. 10
b) Explain various object oriented themes. 10
c) Discuss different stages in object oriented methodology and explain three models in OMT. 10

UNIT - II

2. a) Why UML meta model is called as meta circular interpreter ? Describe UML meta model. 10
b) Explain extensibility mechanisms with suitable example. 10
c) Discuss the data types and various constraints in object constraint language with example. 10

UNIT - III

3. a) Describe the stereotypes and constraints that can apply on Generalization relationship ? 10
b) Write a short note on CRC method and composite structures. 10
c) Draw a class diagram for n - dimensional graphic figures using generalization. 10

UNIT - IV

4. a) Define state with suitable example and explain its types and parts. 10
- b) Distinguish sequence diagram and communication diagram. 10
- c) Draw and explain activity diagram for sales order processing system using swimlanes and object flow. 10

UNIT - V

5. a) Which elements involved in modeling architecture in UML ? Explain. 10
- b) Explain Package diagram with example. 10
- c) Discuss the three kind of component and explain the stereotypes that can apply on it. 10
