Total No. of Questions : 8]   [Total No. of Printed Pages : 2

Roll No ....

IT-701 (GS)
B.E. VII Semester
Examination, December 2017
Grading System (GS)
Object Oriented Analysis and Design

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.
ii) All questions carry equal marks.

1. a) What is the relationship between abstraction information hiding and encapsulation?
   b) Make a program to describe the concept of polymorphism.

2. a) Briefly explain the Object Oriented system development life cycle.
   b) Write the purpose of object, state, data flow diagrams.

3. a) Explain Object Modeling Technique (OMT). What are the phases of OMT?
   b) Explain the following terms.
      i) Characterization of object oriented language
      ii) Programming style

4. a) Discuss about UML deployment and component diagram. Draw the diagram for a banking application.
   b) List various UML diagrams and explain the purpose of each diagram.

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5. Illustrate with an example, the relationship between sequence diagram and use cases.

6. Explain the following term related to Object Oriented Design.
   a) Designing algorithm
   b) Design optimization
   c) Combination the models.

7. a) What are the steps for class design? How to realize use case?
   b) Why C++ and Java is object oriented language compare it also?

8. Write a short note on (any three):
   a) Object oriented database
   b) Use-case driven approach
   c) Data flow diagram
   d) Chart diagram

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