Roll No ....

IT-7002-CBGS
B.E. VII Semester
Examination, June 2020
Choice Based Grading System (CBGS)
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)   Explain about Object Oriented Analysis and Design process.   7

    b)   Write notes on: 7
   i)   Encapsulation
   ii)   Class Hierarchy

2. a)   Explain Aggregation and Generalization.   7

    b)   Explain the OO system design life cycle model.   7

3. a)   With a suitable example explain how to design a class. Give all possible representation in a class (name, attribute, visibility, methods, responsibilities).   7

    b)   Explain the Object Modelling technique with suitable example.   7

4. a)   Give the comparison list of Object oriented programming language C++ and JAVA.   7

    b)   Explain the state chart diagram with a suitable example. Also define its components and use.   7

5. a) Illustrate with an example, the relationship between sequence diagram and use cases. 7

   b) What do you mean by Interaction diagrams? Explain them with a suitable example. 7

6. a) Compare about use-case driven approaches. 7

   b) Explain in brief, Relational V/s Object oriented databases. 7

7. a) Explain in detail the characteristics of Object oriented programming languages. 7

   b) Discuss about UML deployment and component diagrams. Draw the diagrams for a banking application. 7

8. Explain the following: 14

   a) Unified Modeling Language (UML)

   b) UML Class diagram

   c) Purposes of Modeling

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