

Roll No

IT-7002 (CBGS)**B.E. VII Semester**

Examination, November 2018

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 the need for Object-Oriented approach. 7
 b) Explain the term generalization and aggregation with suitable examples. 7
2. a) Explain Object-oriented S/W development process model. <https://www.rgpvonline.com> 7
 b) Compare object model and function model. 7
3. a) Explain with an example, how use case modeling is used to describe functional requirements. Identify the actors, scenario and use cases for example. 7
 b) Explain object diagram and state diagram with example. 7
4. a) Draw a use case diagram for a vending machine and a sequence diagram to dispense an item from machine. 7
 b) Compare Object-oriented programming language C++ and JAVA. 7

5. a) Illustrate with an example, the relationship between sequence diagram and state diagram. 7
 b) Explain the query language for Object-oriented database. <https://www.rgpvonline.com> 7
6. a) Compare relational and Object-oriented database. 7
 b) Explain object modeling techniques. 7
7. a) Explain the importance of unified modeling language. 7
 b) Explain Implementation of control in Object-oriented Design, using suitable example. 7
8. Explain about the following diagram with example 14
 i) UML Sequence Diagram. <https://www.rgpvonline.com>
 ii) UML Deployment Diagram.
 iii) UML Component Diagram.
