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CS-5005 (1) (CBGS)**B.E. V Semester**

Examination, December 2017

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) Describe the various Object Oriented concepts. 7
b) Explain generalization and aggregation with suitable example. 7
2. a) Describe the Object Oriented Systems Development Life Cycle? 7
b) Explain object diagram and state diagram of ATM machine. 7

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3. a) Compare object oriented programming language C++ and JAVA. 7
b) Explain characterization of object oriented languages. 7
4. a) Explain UML state diagrams with an example? 7
b) Explain UML component diagrams with an example? 7

5. a) Explain the architecture of object oriented database. 7
b) Explain multiple inheritance with suitable example. 7

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6. a) Explain the concepts of object modelling techniques. 7
b) Differentiate between object model and function model. 7

7. a) Explain the need of object oriented approach. 7
b) Explain the following: 7
i) Query language for object oriented databases
ii) Use-Case diagram

8. Explain the following: 14
a) Design of association
b) Object representation
c) Physical packaging
d) Documenting design decision

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