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Roll No ....

IT-3004 (CBGS)
B.E., III Semester
Examination, December 2017
Choice Based Grading System (CBGS)
Object Oriented Programming and Methodology

Time : Three Hours

Maximum Marks : 70

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

1. a) Compare object oriented and procedure oriented programming in detail.
   b) Discuss the various control statement with example.

2. a) What is functions? Discuss the function overloading with example.
   b) Discuss and compare run time and compile time polymorphism.

3. a) Describe the multiple inheritance with an example. When do we use such an inheritance?
   b) What is Inline functions? Explain the situations where Inline expansion may not work.

4. a) Explain the concept of exception handling in C++ with an example.
   b) Describe the concept of pass by reference and call by value with an example.

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5. a) Explain the various types of constructor with an programming example.
   b) Explain the concept of streams and its byte stream classes in detail.

6. a) What are virtual functions? Explain with suitable program.
   b) What is a File mode? Describe the various file mode options available.

7. a) Differentiate between a member function and a normal function.
   b) Write a function template for finding the minimum value contained in an array.

8. Write of any two from the following:
   a) Containers
   b) Memory management
   c) Pointer and function pointer

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