

Total No. of Questions : 8]

[Total No. of Printed Pages : 2

Roll No

IT-3004-CBGS

B.E., III Semester

Examination, June 2020

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) What is Inline Functions? Write the advantage of inline functions.
b) Give a example to explain returning by reference.
2. Describe the Loop and Arrays in C++.
3. Describe the concept constructor and destructor? Write the importance of constructor and destructor.
4. a) Explain public, private and protected access specifiers and show their visibility when they are inherited as public, private and protected?
b) Define operator overloading? Explain how to overload unary operator and binary operator?

IT-3004-CBGS

PTO

[2]

5. Explain the following terms
 - i) New and Delete
 - ii) Friend function
 - iii) This pointer

6. What is exception handling? Explain types of exception handling and explain with suitable example.

7.
 - a) What do you mean by streams classes and stream errors?
 - b) Explain virtual function and write its purpose.

8. Write a short notes :
 - i) Disk file I/O with stream
 - ii) Static function
 - iii) Runtime polymorphism
 - iv) Data hiding

IT-3004-CBGS