

People's Education Society's
Dr.Ambedkar College of Commerce & Economics, Wadala, Mum – 400 031
S.Y.B.Sc. (IT) Third Semester Examination October 2015
Sub: Object Oriented Programming

Date: 26 /10/2015

Marks: 75

Time: 11am to 1.30 pm

Note: All questions are compulsory.

- Q.1) **Attempt any two from the following** 5
- a) Explain benefits of object oriented programming. 5
 - b) Write a short note on abstraction and polymorphism. 5
 - c) Write difference between OOPS and POP. 5
- Q.2) **Attempt any two from the following**
- a) What is constructor? Explain any one type of constructor. 5
 - b) What is class? How class is declare and access the members of the class 5
 - c) Explain static data member with example. 5
- Q.3) **Attempt any two from the following**
- a) Write a short note on operator overloading. 5
 - b) Write a short note on unary operator. 5
 - c) Write a C++ program for increment operator overloading. 5
- Q.4) **Attempt any two from the following**
- a) Write a short note on inheritance with example. 5
 - b) Explain Multiple inheritances with example. 5
 - c) Write a short note on file pointer and manipulators. 5
- Q.5) **Attempt any two from the following**
- a) Explain any three string handling function. 5
 - b) Write a short note on iostream class. 5
 - c) Explain formatted input /output functions. 5

Q.6) Attempt any two from the following

- a) Explain function template. 5
- b) Explain class template. 5
- c) Write a short note on standard template library. 5

Q.7) Write a short note on following(any 3) 15

- a) Destructor
- b) Method overloading
- c) Static function member.
- d) Encapsulation and data hiding