

Roll No.

Total Pages : 03

GSM/D-22

1167

**OBJECT ORIENTED PROGRAMMING
USING C++
BCA-231**

Time : Three Hours]

[Maximum Marks : 80

Note : Attempt *Five* questions in all, selecting *one* question from each Unit. Q. No. 1 is compulsory. All questions carry equal marks.

1. Compulsory question :

- (i) Distinguish between Static Binding and Dynamic Binding.
- (ii) Differentiate with call by value and call by reference.
- (iii) Explain the rules of operator overloading.
- (iv) What do you mean by stream ? What is the purpose of buffer ?
- (v) Differentiate between static polymorphism and polymorphism. Explain its types.
- (vi) Explain strcpy () with example.
- (vii) Define local class () .

- (viii) Discuss the various forms of get () functions ?
How are they used ? 8×2=16

Unit I

2. What is Object Oriented Programming ? Explain its features and benefits. Also explain the difference between object oriented programming and procedural oriented programming ? 16
3. Differentiate between object and class. Also explain scope resolution operator with its significance by giving suitable example. 16

Unit II

4. What is a copy constructor ? Explain its significance. Give an example to illustrate copy constructor. 16
5. (a) Explain various stream classes with examples. 8
(b) What do you mean by destructor ? Explain it with example. 8

Unit III

6. What do you mean by Friend Function ? Explain it with example. 16

7. What is Pointer ? Explain the concept of this pointer using example. 16

Unit IV

8. (a) Explain the concept of Inline Function by using examples. What are its advantages ? 8
- (b) Write a program to overload the “+” operator to find sum of two objects. 8
9. What is Operator ? Describe several different types of operator available in C++ with its precedence. 16

