

Roll No.

Printed Pages : 2

1229

BCA / D-18
OBJECT ORIENTED PROGRAMMING
USING C++

Paper-BCA-231

Time allowed : 3 hours]

[Maximum marks : 80

Note : A candidate will be required to answer five questions in all, selecting one question from each unit in addition to compulsory Question No. 1.

Compulsory Question

1. (a) Differentiate between Call by Value & Call by Reference.
- (b) Differentiate between Object Oriented Programming & Procedure Oriented Programming.
- (c) Explain Inline Function ?
- (d) Explain Default Constructor. 4×4=16

Unit-I

2. (a) Explain Scope Resolution Operator and its significance with example. 8
- (b) What do you mean by Static Member functions ? How can you access it ? Explain it by giving example. 8
3. Write short note on following : 16
 - (a) Encapsulation

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- (b) Class and Objects
- (c) Static Data members
- (d) Nested Class

Unit-II

4. Explain Constructor Overloading and constructor with default arguments by giving example ? 16
5. (a) Explain the formatted I/O operations ? 8
- (b) What is the difference between Copy constructor & Parameterized Constructor ? 8

Unit-III

6. Explain the following: 16
 - (a) Strcmp
 - (b) Strlen()
 - (c) Strrev()
 - (d)strupr()
7. (a) What is a Pointer ? Illustrate with example ? 8
- (b) Explain New operator with example. 8

Unit-IV

8. What is Operator Overloading ? What are its rules ? Write a program to overload Binary (+) operator. 16
9. What is Function Overloading ? What are its benefits ? Explain it with example. 16

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