

Roll No.

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Total No. of Pages: 02
Total No. of Questions: 09

BCA (Sem.-2nd)
OOPS using C++
Subject Code: BSBC-203
Paper ID: [B1115]

Time: 3 Hrs.

Max. Marks: 60

INSTRUCTIONS TO CANDIDATE:

1. *Section-A is compulsory consisting of ten questions carrying two marks each.*
2. *Section-B contains six questions carrying ten marks each and a student has to attempt any four questions.*

SECTION-A

- Q1. a) What is structure? Explain how structure members are accessed and
Initialized in C++? 02
- b) What are different visibility modes in C++? 02
- c) What is object? How it is different from class? 02
- d) Explain the difference between local and global variable. 02
- e) List various features of static function and friend functions. 02
- f) Write a C++ program to sort a list of names. 02
- g) What is early binding? How it is different from late binding? 02
- h) Write the procedure to open and close a file in C++. 02
- i) What is stream in C++? 02
- j) Write a C++ program to implement the concept of nested class. 02

SECTION-B

- Q2. What is OOP? How it is different from structure programming? Explain the role of
Encapsulation, Abstraction and Dynamic Binding in Object oriented programming. 10
- Q3. Write notes on the following:
(a) Nested structure
(b) Structure with pointer 10
- Q4. What is constructor and destructor? Explain how default parameterized constructor is
implemented in C++. 10

- Q5. What is function? What are its advantages? Explain the difference between call by value and call by reference by taking suitable example. 10
- Q6. What is inheritance? Discuss its need? Explain How multilevel inheritance is implemented in C++. 10
- Q7. Explain the following:
(a) Operator Overloading
(b) Pure virtual function 10

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