



M 8708

Reg. No. :

Name :

II Semester B.C.A. Degree (CCSS – Supple./Improv.)

Examination, May 2015

(2013 and Earlier Admn.)

CORE COURSE

2B04 BCA : Object Oriented Programming and C++

Time : 3 Hours

Max. Weightage : 21

SECTION – A

Answer all questions. Weightage for a bunch of four questions is 1.

1. The existing class can be reused by
 - a) dynamic binding
 - b) polymorphism
 - c) inheritance
 - d) data encapsulation
2. The #define preprocessor directive can be used for defining
 - a) header file
 - b) symbolic constants
 - c) constant pointers
 - d) variables
3. What can a class of C++ hold that a structure of C cannot ?
 - a) Data
 - b) Variables
 - c) Functions
 - d) All of the above
4. A non-member function that can access the private data of a class is known as
 - a) inline function
 - b) virtual function
 - c) recursive function
 - d) friend function
5. Constructor has the same name as
 - a) the object they belong to
 - b) the current program file
 - c) the class name they belong to
 - d) class name preceded by ~

P.T.O.



6. Which of the following conversion is automatically carried by the compiler ?

- a) conversion from basic data to user defined data type (class type)
- b) conversion from class type to basic data type
- c) conversion from one class type to another class type
- d) none of these

7. When a class is not used for creating objects, it is known as

- a) base class
- b) friend class
- c) abstract class
- d) local class

8. The write () performs writing in

- a) BCD format
- b) ASCII format
- c) Binary format
- d) Both a) and b)

(2×1=2)

SECTION – B

Answer **any five** questions. Weightage **one each**.

- 9. What is meant by delegation ?
- 10. Explain the use of continue statement.
- 11. Give syntax of if – else ladder.
- 12. What is an object ?
- 13. What are constant arguments ?
- 14. Explain the use of private keyword.
- 15. What is a stream ?
- 16. List any four file modes parameters with meaning.

(5×1=5)



Reg. No. :

SECTION – C

Answer **any 5** questions. Weightage **two each**.

17. What is polymorphism ? Explain with an example.
18. Explain the syntax of a switch statement with example.
19. Demonstrate unary operator overloading with an example.
20. Summarize the base class member accessibility in a derived class under various types of inheritance.
21. Discuss the stream classes available in C++.
22. Explain the new and delete operators in C++.
23. What is a constructor ? Explain the parameterized constructor with an example.
24. Explain the input and output operations on files in C++. (5×2=10)

SECTION – D

Answer **any one** question. Weightage **4**.

25. Discuss the basic concepts of object oriented programming.
26. a) Explain file pointers and their manipulators.
b) Write a program to copy the content of one file to another file. (1×4=4)