M 3804

Reg. No. : ....

Name : ....

II Semester B.A./B.Sc./B.Com./B.B.A./B.B.A.T.T.M./B.B.M./B.C.A./B.S.W. Degree (CCSS – Reg./Supple./Improv.) Examination, May 2013
COMPLEMENTARY COURSE IN COMPUTER SCIENCE
2C03 CSC : Programming in C++

Time: 3 Hours

Max. Weightage : 21

SECTION – A

Answer **all** questions. Weightage for **a** bunch of **4** question is **1**.

1. In C++ operators can behave in different ways is called operator _____
   a) encapsulation   b) overloading   c) binding   d) none of these

2. An instance of class is called _____
   a) entity   b) super class   c) object   d) none of these

3. Homogeneous collection of data items is called _____
   a) structure   b) array   c) pointer   d) none of these

4. Call by _____ is a type of parameter passing.
   a) size   b) value   c) class   d) none of these

5. Out of following which is a binary operator ?
   a) +   b) – –   c) ++   d) none of these

6. Inheritance is an example of code _____
   a) reusability   b) visibility   c) encapsulation   d) none of these

7. Diamond problem exist in _____ inheritance
   a) single   b) multiple   c) hierarchical   d) none of these

8. A non member function that can access private data is _____ function.
   a) inline   b) online   c) friend   d) none of these

(2×1=2)

P.T.O.

SECTION – B

Answer **any 5** questions. **Each** question carries a weightage **1**.

9. Define a member function.

10. What is data encapsulation ?

11. What is operator overloading ?

12. List various basic data types in C++

13. What is use of delete in C++ ?

14. What is meant by operator overloading, rules for overloading ?

15. Define a virtual function.

16. What is a file pointers ?   **(5×1=5)**

SECTION – C

Answer **any 5** questions. **Each** question carries a weightage **2**.

17. List various advantages of OOPs.

18. What is meant by data message communication in C++ ?

19. What is meant by data abstraction ?

20. What is meant by function with default arguments explain ?

21. What is meant by constructor overloading in C++ ?

22. List rules for operator overloading.

23. What is meant by abstract class explain ?

24. What is meant by object I/O ?   **(5×2=10)**

SECTION – D

Answer **any 1** question. Question carries a weightage of **4**.

25. With suitable examples and code explain various inheritance in C++.

26. Explain following with examples :
    i) Access specifiers
    ii) A sample program for unary operator overloading
    iii) I/O with multiple objects
    iv) Copy constructor.   **(1×4=4)**

_____