



M 7992

Reg. No. :

Name :

Second Semester B.Sc. Degree Examination, May 2010

COMPUTER SCIENCE (Complementary)

Course No. 2 : 2C03 CSC : Programming In C++

Time : 3 Hours

Maximum Weighted Grade Point : 84

SECTION – A

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

Maximum weighted grade point $1(W) \times 2(\text{bunch}) \times 4(\text{Max GP}) = 8$

1. In C++ function can behave in different ways is called _____

- a) Data encapsulation
- b) Polymorphism
- c) Data binding
- d) None of these

2. An instance of class is called _____

- a) Entity
- b) Super class
- c) Object
- d) None of these

3. Heterogeneous 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) Reference
- c) Class
- d) None of the above

5. Out of following which is a unary operator ?

- a) +
- b) -
- c) ++
- d) None of these

P.T.O.



6. Inheritance is an example of code _____
- a) Reusability b) Visibility
c) Encapsulation d) None of these
7. A class form which we can't create an object is called _____ class.
- a) Virtual b) Base
c) Abstract 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

SECTION – B

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

Maximum weighted grade point $1(W) \times 5(Qn) \times 4(MaxGP) = 20$

9. Define an inline function.
10. What is data abstraction ?
11. What is function overloading ?
12. List various basic data types in C++.
13. What is use of new in C++ ?
14. What is meant by operator overloading ?
15. Define a friend function.
16. What is a file pointers ?

SECTION – C

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

Maximum weighted grade point $2(W) \times 5(Qn) \times 4(MaxGP) = 40$

17. List various advantages of OOPs.
18. What is meant by data hiding explain ?



19. What is enumerated data type ?
20. What is meant by function with default arguments explain ?
21. What is meant by dynamic memory allocation in C++ ?
22. List rules for operator overloading.
23. What is meant by derived class constructors explain ?
24. What is meant by object I/O ?

SECTION – D

(Answer **any 1** question. Question carries a weightage **4**)

Maximum weighted grade point **4(W)×1(Qn)×4(MaxGP) = 16**

25. With suitable examples and code explain various inheritances in C++.
26. Explain following with examples :
 - i) Access specifiers
 - ii) A sample program for binary operator overloading
 - iii) Disk I/O with member functions
 - iv) Nested classes.