



M 10239

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.  
(CCSS-Regular/Supplementary/Improvement) Degree Examination, March 2011  
**COMPUTER SCIENCE (Complementary Course)**  
**2C03CSC – Programming in C++**

Time: 3 Hours

Max. Weighted grade point : 84

SECTION – A

Answer **all** questions. Weightage for a bunch of 4 question is 1. **Maximum** weighted grade point  $1 (W) \times 2 (\text{bunch}) \times 4 (\text{MaxGP}) = 8$ .

1. In C++ function data and functions combined into single unit called data

- a) encapsulation
- b) polymorphism
- c) inheritance
- d) none of these

2. \_\_\_\_\_ requires no memory in declaration.

- a) object
- b) class
- c) pointer
- 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) value
- c) class
- d) none of these



5. Out of following which is a unary operator \_\_\_\_\_
- |       |                  |
|-------|------------------|
| a) +  | b) -             |
| c) ++ | d) none of these |
6. Ambiguity exist in \_\_\_\_\_ type inheritance.
- |           |                  |
|-----------|------------------|
| a) single | b) multiple      |
| c) simple | 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  $1 (W) \times 5 (Qn) \times 4(\text{Max GP}) = 20$ .

- Define an inline function.
- What is polymorphism ?
- What is function overloading ?
- List various basic data types in C++.
- What is constructor in C++ ?
- What is meant by operator overloading ?
- Define a copy constructor.
- 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 demerits of OOPs.
18. What is meant by code reusability explain.
19. What is meant by virtual function ?
20. What is meant by function with default argument explain.
21. What is meant by dynamic memory allocation in C++ ?
22. What is meant by data conversion ?
23. What is meant by derived class constructors explain.
24. What is meant by error handling in C++ ?

SECTION – D

Answer **any 1** question. Question carries a weightage **4**. Maximum weighted grade point  $4(W) \times 1(Qn) \times 4(MaxGP) = 16$ .

25. With suitable examples explain various advantages of C++.
  26. Explain following with examples :
    - i) in line functions
    - ii) a sample program for data conversion
    - iii) Disk I/O with member functions
    - iv) enumerated data types.
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