



M 8722

Reg. No. :

Name :

**II Semester B.Sc. Degree (CCSS-Supple./Imp.) Examination, May 2015
(2013 and Earlier Admn.)**

**Complementary Course in Computer Science
2CO3CSC : PROGRAMMING IN C++**

Time : 3 Hours

Max. Weightage : 21

SECTION – A

Answer **all** questions. Weightage for a bunch of **four** questions is **one**. (2×1=2)

1. The default access level assigned to members of a class is
a) Private b) Public c) Protected d) Needs to be assigned
2. How do we mark the end of a C++ statement ?
a) Using : b) Using ; c) Using :: d) Using !
3. What can a class of C++ hold that a structure of C cannot ?
a) Data b) Functions c) Variables d) All of the above
4. Which of the following function accepts string with blank space ?
a) Read () b) Get () c) Getline () d) Both a) and b)
5. The delete operator is used
a) To delete object b) To delete file
c) Both a) and b) d) None of these
6. Which of the following about the constructor is false ?
a) It is executed when an object is declared
b) It has neither return value nor void
c) It cannot be overloaded
d) None of these

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7. The combination of one or more type of inheritance is known as

- a) Hierarchical inheritance
- b) Multiple inheritance
- c) Multilevel inheritance
- d) Hybrid inheritance

8. The statement `in.seekg(0,ios::cur)` sets the file pointer

- a) At the middle of the file
- b) At the beginning of the file
- c) At the end of the file
- d) None of the above

SECTION – B

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

(5×1=5)

- 9. What is meant by reference variable ?
- 10. Explain the use of break statement in switch case statement ?
- 11. What is a class ?
- 12. Give syntax of while loop.
- 13. Explain the use of delete operator.
- 14. What is this pointer ?
- 15. What is an input stream ?
- 16. Explain the use of seekg().

SECTION – C

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

(5×2=10)

- 17. Explain the syntax of for loop with a suitable example.
- 18. Write a short note on multiple inheritance.
- 19. What is an inline function ? How does an inline function differ from an ordinary function ?
- 20. Explain virtual function with suitable example.
- 21. Describe various classes available for input/ output operations.
- 22. What is meant by function overloading ? Explain with a suitable example.
- 23. Explain various formatting function in C++.
- 24. Explain the various methods to open a file in C++.

SECTION – D

Answer **any one** question. Weightage **four**.

(1×4=4)

- 25. Explain the various concepts of OOP.
- 26. Write a program to overload + and – operators to add and subtract two matrices.