



K18U 0551

Reg. No. :

Name :

II Semester B.C.A. Degree (C.B.C.S.S. – Reg./Supple./Imp.)
Examination, May 2018
Core Course
2B03 BCA : OBJECT ORIENTED PROGRAMMING USING C++
(2014 Admn. Onwards)

Time : 3 Hours

Max. Marks : 40

SECTION – A

Answer **all** questions. **Half** mark **each** :

1. a) OOP follows top-down approach in program design. True or False.
- b) Dummy variables are used in _____
- c) The use of floor () is _____
- d) The multilevel inheritance constructors will be executed in the reverse order of inheritance. True or False.
- e) The general format to access a member function using dot operator and object pointer is _____
- f) The output of cout.put(100) is _____
- g) File mode parameter ios::trunc is used for _____
- h) Default value of a static variable is _____ (8×½=4)

SECTION– B

Answer **any 7** questions. **2** marks **each**.

2. Define OOP.
3. What is namespace ?
4. What is the use of function prototyping ?
5. Distinguish between default constructor and default argument constructor.

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6. What is operator overloading ?
7. What are the access specifiers used in a class ?
8. What are the different types of polymorphisms ?
9. What are the different methods to open a file ?
10. Explain reference variable with an example.
11. Explain scope resolution operator. (7×2=14)

SECTION – C

Answer **any 4** questions. **3** marks **each**.

12. What are the different tokens used in C++ ?
13. Distinguish between call-by-reference and return-by-reference with examples.
14. Write a program to overload insertion and extraction operators.
15. What is containership ? Explain with an example.
16. Explain stream classes used for console I/O operations.
17. Explain the difference between while and do-while loops. (4×3=12)

SECTION – D

Answer **any 2** questions. **5** marks **each**.

18. What are the characteristics of OOP ?
 19. Write a program to prepare a sales bill using array of objects.
 20. Explain :
 - a) Friend function
 - b) Static member function.
 21. Write a program to read and display student details using array of pointers to objects. (2×5=10)
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