



K21U 3444

Reg. No. :

Name :

II Semester B.C.A. Degree (CBCSS – OBE-Reg./Sup./Imp.)
Examination, April 2021
(2019 Admission Onwards)
Core Course
2B03BCA : OBJECT ORIENTED PROGRAMMING USING C++

Time : 3 Hours

Max. Marks : 40

PART – A

(Answer all questions.)

1. What are tokens ? Give an example.
2. Mention any two library functions of math.h.
3. Give examples of two operators that cannot be overloaded.
4. What is a default constructor ?
5. Give an advantage of using files.
6. What is single inheritance ?

(6×1=6)

PART – B

(Answer any six questions.)

7. Write a program to find the sum of two numbers illustrating cascading of I/O operators.
8. What is return by reference ? Illustrate.
9. Explain enumerated data type.

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10. What are inline functions ?
11. Can constructors be overloaded ? If so how ?
12. Explain multilevel inheritance.
13. Explain any two file mode parameters.
14. Write a program to overload unary operator '-'. (6×2=12)

PART – C

(Answer **any four** questions.)

15. Explain the syntax of open with its arguments.
16. Explain the concept "pointer to objects".
17. Illustrate the use of destructor with a C++ program.
18. How can you make an outside function inline ?
19. Create a class employee to store the name, code and designation of n employees and to print the same.
20. Explain two ways of creating symbolic constants in C++. (4×3=12)

PART – D

(Answer **any two** questions.)

21. Create a file that stores item name and item cost. Open the file and print the details.
22. Write a C++ program to demonstrate pointer to a derived object.
23. Explain basic to class type conversion.
24. Explain OOP concepts. (2×5=10)