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.

P.T.O.

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)