Reg. No. : ....

Name : ....

II Semester B.C.A. Degree (C.B.C.S.S.-O.B.E. – Regular/Supplementary/ Improvement) Examination, April 2022
(2019 Admission Onwards)
Core Course
2B03BCA : OBJECT ORIENTED PROGRAMMING USING C++

Time : 3 Hours

Max. Marks : 40

PART – A
(Short Answer)

Answer **all** questions :

(6×1=6)

1. Which feature of the OOPS gives the concept of reusability ?

2. Which is the default return value of functions in C++ ?

3. Which data type specifies an empty set of values/parameters ?

4. _____ is the scope resolution operator.

5. Variables declared inside the class are known as _____

6. What do you mean by object ?

PART – B
(Short Essay)

Answer **any 6** questions :

(6×2=12)

7. What is an identifier ? What are the rules to follow its naming ?

8. What is function overloading ?

9. What is nesting of member functions ?

10. What do you mean by destructor ?

11. Explain multiple inheritance with pic.

12. Mention put() and get() functions.

13. Explain arrays.

14. How to declare a variable ?

PART – C
(Essay)

Answer **any 4** questions :   **(4×3=12)**

15. Differentiate Data Abstraction and Encapsulation.

16. Differentiate call by value and call by reference.

17. Mention the specialties of constructor functions.

18. Explain virtual functions and pure virtual functions.

19. Explain the functions for manipulation of file pointers.

20. Write a C++ program to print Fibonacci series.

PART – D
(Long Essay)

Answer **any 2** questions.   **(2×5=10)**

21. Explain the data type hierarchy in C++.

22. Explain different types of inheritances in C++.

23. Explain the following :
    a) Opening and closing of files   **2**
    b) Classes of file stream operations.   **3**

24. Mention merits and demerits of Procedure oriented programming and Object oriented programming.

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