

**PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)**

**BCA DEGREE EXAMINATION MAY 2022
(Second Semester)**

Branch – **COMPUTER APPLICATIONS**

PROGRAMMING IN C++

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (5 x 1 = 5)

1. Which of the following is used for comments in C++?

(i)/* comment */	(ii)// comment */
(iii)// comment	(iv)both // comment or /* comment */
2. Which of the following is not a type of Constructor in C++?

(i)Default constructor	(ii)Parameterized constructor
(iii)Copy constructor	(iv)Friend constructor
3. Which of the following is the address operator?

(i)@	(ii)#	(iii)&	(iv)*
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4. The operator used for dereferencing or indirection is _____.

(i)^	(ii)*	(iii)%	(iv)@
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5. Which keyword can be used in template?

(i)class	(ii)typename
(iii)both class & typename	(iv)function

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 3 = 15)

6. a) What is predefined streams in C++? Explain with example.
(OR)
b) How do you declare a pointer in C++? Describe with example.
7. a) Explain Inline functions in C++ with example.
(OR)
b) What is Destructor and its characteristics in C++ explain with example?
8. a) Can we overload unary operator in C++? Discuss.
(OR)
b) How do you create a dynamic object of a class in C++? Explain with example.
9. a) Explain the rules of Virtual Function.
(OR)
b) List the steps of File Operations in C++.

Cont...

10. a) Explain Class Template with syntax.

(OR)

b) How do you declare a String in C ++? Explain with example.

SECTION -C (30 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

11. a) How many types of Member Functions are there in C++? Explain with example.

(OR)

b) Elaborate Array with example program.

12. a) Explain Data Hiding in C++ with syntax and example.

(OR)

b) Why do we need Copy Constructor? explain with an example.

13. a) Elucidate Function Overloading in C++ with example program.

(OR)

b) Explore types of Inheritance in C++ with examples.

14. a) Explain the purpose of Abstract Class with example program.

(OR)

b) Elaborate Command Line arguments with example.

15. a) Illustrate Exception Handling with example program.

(OR)

b) Elaborate how to create and initialize C++ Strings.

Z-Z-Z END