(FOR THE CANDIDATES ADMITTED   SUB CODE   21 UEC 308

DURING THE ACADEMIC YEAR 2021-24 ONLY)   REG.NO. ⬚

N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI

END-OF-SEMESTER EXAMINATIONS : DECEMBER – 2022

B.Com.-E.Commerce   **MAXIMUM MARKS: 70**

III SEMESTER   **TIME : 3 HOURS**

PART - III
OBJECT ORIENTED PROGRAMMING WITH C++
SECTION – A   (10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.
MULTIPLE CHOICE QUESTIONS.   (K1)

1. OOP stands for……………..

(a) Object Oriented Programming   (b) Object Orientation and Platform

(c) Object Order Program   (d) Object Oriented Platform

2. Integer, character, boolean are _____

(a) Derived datatypes   (b) primitive datatypes

(c) user defined datatypes   (d) Functions

3. Implicit type conversion is also known as '_____'

(a) Automous type character   (b) Autonomous type conversion

(c) Automatic type conversion   (d) Automatic type casting

4. _____ is a mechanism of reusing and extending existing classes without modifying them, thus producing hierarchical relationships between them.

(a) class   (b) object

(c) keyword   (d) Inheritance

5. In C++, _____ is a flow of data into or out of a program**.**

(a) stream   (b) object

(c) keyword   (d) Inheritance

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES   (K2)

6. Define OOP.

7. Define functions

8. How to add elements in an array?

9. Mention how to pointer to derived class is performed in C++?

10. Describe the use of buff in C++.

SECTION – B   (5 X 4 = 20 MARKS)
ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.
                                                                    (K3)

11.   a) Demonstrate dynamic binding concept in C++.

(OR)

b) Discover the usage of message communication in C++.

12.   a) List the various data types in C++.

(OR)

b) Compare and contrast about call by value and call by reference in Functions.

13.   a) Mention the uses of constructor with an example C++ program.

(OR)

b) In C++ how operator overloading is done? Write an example C++ program illustrating operator overloading.

14.   a) How is single inheritance performed in C++? Write an example C++ program.

(OR)

b) What is Polymorphism? Write a simple C++ program for polymorphism.

15.   a) Demonstrate how stream classes are used in C++ with an example program.

(OR)

b) Articulate the use unformatted I/O operation in C++.

SECTION - C   (4 X 10 = 40 MARKS)
ANSWER ANY FOUR OUT OF SIX QUESTIONS
(16th QUESTION IS COMPULSORY AND ANSWER ANY THREE QUESTIONS
                                                              (K4 (Or) K5)

16. Explain the advantages and disadvantages of OOP methodology in detail.

17. Write an elaborate note on nested member function in C++ with an example C++ program.

18. How can function overloading be done in C++? Explain with a C++ program.

19. Explain how does hybrid inheritance work? Write a C++ program for that.

20. List the classes for file stream operations and explain it one by one.

21. Write a C++ program for getting a file name, editing its contents and save it in another folder.

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