Seat
No.

Kamala College, Kolhapur

(Autonomous)

B.C.A (Part -II) (Semester - IV)

Examination March/April - 2024

Object Oriented Programming using C++

Sub. Code: CC-322

Day and Date: Thursday, 18/04/2024
Time   : 8.00 am. To 11.00 am.

Total Marks: 80

Instructions:

1. *Que.1 and Que.8 are compulsory*
2. *Attempt any three questions from Que. No.2 to Que. No. 7*
3. *Figures to the right indicate total marks.*

Q. 1 Multiple choice questions.   12

1) Which of the following is the original creator of the C++ language?
   a) Dennis Ritchie   b) Ken Thompson
   c) Bjarne Stroustrup   d) Brian Kernighan

2) _____ is a instance of class
   a) Class   b) object
   c) data member   d) member function

3) Which of the following is not a type of Constructor in C++?
   a) Default constructor   b) Parameterized constructor
   c) Copy constructor   d) Friend constructor

4) Which feature in OOP allows reusing code?
   a) Polymorphism   b) Inheritance
   c) Encapsulation   d) Data hiding

5) _____ in C++ is defined as the wrapping up of data and information in a Which of the following is used for implementing the late binding?
   a) Operator Functions   b) Virtual Functions
   c) Constant Functions   d) All of above

6) When one task is performed by different ways i.e. known as _____
   a) Polymorphism   b) Inheritance
   c) Encapsulation   d) Data hiding

7) A _____ is independent of any object of the class.
    a) static member function   b) friend function
    c) member function   d) none of these

8) The _____ operator is used to access and define the class properties outside the class.
    a) .   b) ::
    c) :   d) ->

9) _____ in C++ is a special method that is invoked automatically at the time of object creation.
    a) Member function   b) Static function
    c) Constructor   d) Destructor

10) Which of the following operator cannot be overloaded?
    a) ::   b) >
    c) <   d) +

11) A class that contains pure virtual function is known as _____
    a) Abstract class   b) Friend class
    c) Static class   d) Public class

12) _____ is a property where two or more functions can share the name but not the same list of arguments.
    a) Functional Overloading   b) Function overriding
    c) Operator overloading   d) None of these

Q. 2 Explain object-oriented programming concepts in details.   16

Q. 3 What is Constructor? Explain the types of constructors with example.   16

Q. 4 What is operator overloading explain in detail.   16

Q. 5 What are the different data types used in C++?   16

Q. 6 What is inheritance? Explain its types in details.   16

Q. 7 Write short notes. (Any four out of six)   20

1) Pure virtual function
2) Difference between Procedure oriented and Object-oriented language.
3) Explain different access specifiers used in C++.
4) Static data member and Static member function.
5) Loop in C++.
6) Switch control statement.

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