Manuscript

Avinashilingam Institute for Home Science and Higher Education for Women

(Deemed to be University under Category 'A' by MHRD, Estd. u/s 3 of UGC Act 1956)
Re-accredited with 'A+' Grade by NAAC. Recognised by UGC Under Section 12B
Coimbatore - 641 043, Tamil Nadu, India

Bachelor's Degree Examination – June / July 2021
II Semester

Class : I UG **Time : 3 Hours**
Major : Computer Applications **Max. Marks : 100**

18BCAC06 Object Oriented Programming with C++

Part A **10 x 1 = 10**
Choose the Correct Answer

1. Which of the following is an abstract data type? CO2 K1
   a. Int b. Double
   c. String d. Class

2. The approach adapted in C++ is CO2 K3
   a. top-down b. bottom-up
   c. left-right d. right-left

3. Which of the following is not the member of class? CO1 K1
   a. Static function b. Friend function
   c. Const function d. Virtual function

4. The term used for a function defined inside class is CO1 K3
   a. member variable b. member function
   c. class function d. classic function

5. Visiting each node in the tree is known as CO3 K1
   a. friend constructor b. copy constructor
   c. default constructor d. parameterized constructor

6. A constructor that accepts _____ parameters is called the default constructor. CO3 K3
   a. 0 b.1
   c. 2 d. 3

7. Arranging the elements in an order is known as CO2 K3
   a. public b. protected
   c. private d. struct cant inherit class

8. When a child class inherits traits from more than one parent class, this type of inheritance is called _____ inheritance. CO4 K5
   a. hierarchical b. hybrid
   c. multilevel d. multiple

9. Attempting to throw an exception that is not supported by a function call results in calling_____ library. CO4 K2
   a. indeterminate() b. unutilized()
   c. unexpected() d. unpredicted()

10. Return type of uncaught_exception() is CO2 K5
   a. int b. bool
   c. char* d. double

Part B **5 x 6 = 30**

Answer ALL questions

Each answer should not exceed 400 words or two pages

11.a. Classify the assignment operators in C++.	CO2 K4
(or)	
11.b. Discuss pointer declaration in C++ with an example.	CO2 K2
12.a. Illustrate the static data members and function.	CO1 K2
(or)	
12.b. Elucidate friend function in C++.	CO1 K6
13.a. Describe how to overload arithmetic operator.	CO3 K1
(or)	
13.b. Generalize destructors with an example.	CO2 K6
14.a. Elucidate single inheritance with suitable example.	CO4 K6
(or)	
14.b. Interpret virtual classes with example.	CO3 K4
15.a. Explain try statement with example.	CO5 K2
(or)	
15.b. Devise user defined exception class.	CO4 K3

Part C **5 x 12 = 60**

Answer ALL questions

Each answer should not exceed 800 words or four pages

16.a. Outline the Object-Oriented Programming concepts in C++.	CO2 K4
(or)	
16.b. Classify the conditional and looping statements in C++.	CO1 K4
17.a. Summarize declaration of classes and objects in C++.	CO1 K5
(or)	
17.b. Interpret parameter passing techniques in detail.	CO3 K4
18.a. Discuss overloading in detail.	CO2 K6
(or)	
18.b. Brief about constructors.	CO2 K2
19.a. Enumerate Multiple inheritance with example.	CO4 K1
(or)	
19.b. Demonstrate the different modes of inheritance with suitable example.	CO4 K2
20.a. Explain static and dynamic polymorphism.	CO4 K2
(or)	
20.b. Distinguish throwing and rethrowing exceptions.	CO3 K5

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