



Avinashilingam Institute for Home Science and Higher Education for Women

Deemed to be University Estd.u/s 3of UGC Act 1956, Category A by MHRD [now MoE]

Re-accredited with an A++ Grade by NAAC CGPA 3.65/4, Category I by UGC

Coimbatore-641043, Tamil Nadu, India

Continuous Internal Assessment I – February 2025

II Semester

Class: I UG

Major: B.Com Computer Applications

23BCCC05 Programming Language With C++

Time : 2 Hours

Max. Marks : 20

Course Outcomes:

CO1: Demonstrate the concepts of object oriented programming.

CO2: Define control flow statements to construct a program.

CO3: Impart knowledge on dynamic memory management.

CO4: Employ code reusability knowledge for application based software.

CO5: Define the modules to handle large volume of data by applying management techniques

Part A

6 x 1 = 6

Choose the Correct Answer

- 1) Ability to take more than one form is known as
a) Inheritance b) Polymorphism c) Dynamic Binding d) Encapsulation CO1:K1
- 2) Which of the following can replace a simple if-else construct?
a) Ternary operator b) while loop c) do-while loop d) for loop CO1:K1
- 3) An object can be created by using
a) delete operator b) malloc operator c) new operator d) realloc operator CO1:K2
- 4) The process of making an operator to exhibit different behaviours in different instances is known as
a) Operator over loading b) Function overloading
c) Dynamic overloading d) Object overloading CO2:K2
- 5) Which of the following functions below can be used allocate space for array in memory?
a) calloc() b) malloc() c) realloc() d) All the above CO2:K2
- 6) Which of the following is used to implement late binding?
a) Virtual function b) Operator function c) Const function d) Static function CO2:K2
- 7) The function name is same as the class name.
a) Copy Constructor b) Destructor
c) Constructor d) Parameterized constructor CO2:K1
- 8) A class can contain objects of other classes is known as
a) Branching b) Looping c) Conditioning d) Nesting CO3:K1
- 9) The mechanism of deriving a new class from an old one is called as
a) Inheritance b) Polymorphism c) Dynamic Binding d) Encapsulation CO3:K1
- 10) Which operator is called as pointer to member operator
a) :: b) ?: c) .* d) : CO3:K1

Part B

2 x 5 = 10

Answer any two questions (Answer should not exceed 400 words)

- 11.a) What are tokens. List out the tokens available in C++.
(or) CO1:K2
- 11.b) Explain the concepts of Object Oriented Programming with simple examples? CO1:K2
- 12.a) Enumerate the basic data types in C++.
(or) CO2:K3
- 12.b) What is an array? Explain the types of arrays. CO2:K3