



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 II – April 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

10 x 1 = 10

Choose the Correct Answer

- 1) The function name is same as the class name. CO3K1
a) Copy Constructor b) Destructor
c) Constructor d) Parameterized constructor
- 2) A class can contain objects of other classes is known as CO3K1
a) Branching b) Looping c) Conditioning d) Nesting
- 3) The mechanism of deriving a new class from an old one is called as CO3K1
a) Inheritance b) Polymorphism c) Dynamic Binding d) Encapsulation
- 4) Which operator is called as pointer to member operator CO4K2
a) :: b) ?: c) .* d) :
- 5) C++ supports run-time polymorphism with the help of CO4K2
a) This function b) Operator overloading
c) Virtual function d) Function overloading
- 6) It gives the current position of the put pointer CO4K2
a) seekg() b) seekp() c) tellg() d) tellp()
- 7) Which of these keywords do we use for the declaration of the friend function CO4K2
a) myfriend b) classfriend c) friend d) firend
- 8) Inheritance models which type of relationship CO5K2
a) Belongs-to-relationship b) Part-of-relationship
c) Is-A relationship d) Has-A relationship
- 9) Which header files do we use for the generation of random numbers? CO5K2
a) <random> b) <generator> c) <distribution> d) <gen_dist>
- 10) Which container is the best for keeping a collection of various distinct elements? CO5K2
a) queue b) set c) heap d) multimap

Part B

2 x 5 = 10

Answer ALL question

(Answer should not exceed 400 words)

- 11.a) Describe the inheritance and types of inheritance. CO3K1
(or)
- 11.b) Explain in detail about Opening of file and closing of file. CO4K1
- 12.a) Explain various data file operations in C++. CO5K2
(or)
- 12.b) Describe error handling functions in C++. CO5K2

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