



Avinashilingam Institute for Home Science and Higher Education for Women
Deemed to be University Estd. u/s 3 of UGC Act 1956, Category A by MHRD (now MoE)
Re-accredited with A++ Grade by NAAC. CGPA 3.65/4, Category I by UGC
Coimbatore - 641 043, Tamil Nadu, India

Continuous Internal Assessment Test I – February 2026
II Semester

Class: IUG
Major : B.Com CA

Time: 2 hours
Maximum Marks: 60

23BCCC05 - Programming with C++

Course Outcomes:

At the end of the course, students will:

1. Understand the structure to construct a program.
2. Able to build a function to simplify the complex real-time problems.
3. Ability to manage memory and overload operators and functions.
4. Acquire code reusability knowledge for application based projects.
5. Impart knowledge on file concepts to handle the files.

Part - A

6 x 1 = 6

Choose the Correct Answer

1. Object oriented programming employs which programming approach. CO1K1
a. top-down b. Procedural c. bottom-up d. Horizontal
2. Stream class is to only write on files CO1 K2
a. Of stream b. if stream c. f stream d. ostream
3. Which of the following can replace a simple if-else construct? CO1 K1
a. Ternary operator b. while loop c. do-while loop d. for loop
4. Classes in CPP are _____ CO2 K1
a. derived data types b. User defined data types
c. built-in data types d. Void datatype
5. Which of the following operator is overloaded for object cout? CO3 K2
a. >> b. << c. + d. =
6. Which operator is used for a destructor CO3 K3
a. - b. ~ c. delete d. free

Part - B

3 x 6 = 18

Answer ALL Questions

Each answer should not exceed 400 words or two pages

7. a. Elaborate the data types in C++. CO1:K3
(or)
7. b. What are the benefits of OOPs programming. CO1:K3
8. a. What is function overloading? Give Example CO2:K3
(or)
8. b. What is a Class? How do you specify a Class? CO2:K2
9. a. What is a parameterized constructor? CO3: K3
(or)
9. b. What is destructor? Give example. CO3: K3

Part - C

3 x 12 = 36

Answer ALL questions

Each answer should not exceed 800 words or four pages

10. a. Explain about decision making statement in C++ programming. CO1 K3
(or)
10. b. What is inheritance? Explain types of inheritance with suitable example? CO1:K3
11. a. Write a program for calculating working capital by using classes and objects. CO2:K4
(or)
11. b. Explicate the arrays within a class with example program CO2 K3
12. a. Explain the multiple constructors in a class? CO3:K3
(or)
12. b. Explain in Briefly: i) copy constructor ii) dynamic constructor CO3:K3