UBCCAT405 - Paper-V : Programming with C++

P. Pages : 1 |||||||||||||||| *1811*   **GUG/S/24/12049**

Time : Three Hours   Max. Marks : 40

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Notes : 1. All questions are compulsory and carry equal marks.
            2. Draw neat and labelled diagram and use supporting data wherever necessary.
            3. Avoid vague answer and write specific answer related to questions.

Either:

1. a) What is Default and Const Arguments? Explain with example.   **4**

     b) Explain different console I/O operations in C++.   **4**

<div align="center">OR</div>

     c) What is call by value and call by reference?   **4**

     d) Write a program to demonstrate function Overloading and explain it.   **4**

Either:

2. a) Explain in detail characteristics of OOP's?   **4**

     b) How to specify a class in C++? Explain with syntax and example.   **4**

<div align="center">OR</div>

     c) Differentiate procedural programming and object Oriented programming.   **4**

     d) Define Inline member function? Explain with suitable example.   **4**

Either:

3. a) Explain the constructor and constructor with Default Arguments in detail.   **4**

     b) Explain the parameterized constructor in detail?   **4**

<div align="center">OR</div>

     c) Write a program to demonstrate default constructor.   **4**

     d) Write a short note on Const object and explain it with suitable example.   **4**

Either:

4. a) What is Inheritance? Also explain single level and multilevel inheritance.   **4**

     b) Discuss Derived classes with suitable example?   **4**

<div align="center">OR</div>

     c) What is Arithmetic Operator Overloading? Explain it with suitable example.   **4**

     d) What is Binary Operator Overloading? Explain in details.   **4**

5. Solve all the question.

     a) What is Function Prototyping.   **2**

     b) What is Private and Public data number?   **2**

     c) Explain Copy constructors in C++?   **2**

     d) Write Rules of Operator Overloading.   **2**

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