

B.C.C.A. - II (CBCS Pattern) Semester-IV  
**UBCCAT405 - Paper-V - Programming With C++**

P. Pages : 2

Time : Three Hours



**GUG/S/25/12049**

Max. Marks : 40

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- Notes :
1. All questions are compulsory and carry equal marks.
  2. Draw and labelled diagram wherever necessary.
  3. Avoid vague answer and write answer relevant and specific to questions only.

**Either:**

1. a) Explain inline function? How are they differ from normal function. 4
- b) Explain different console I/O operation in C++ 4

**OR**

- c) Explain function prototype with suitable example. 4
- d) What is call by value? Explain with suitable example. 4

**Either:**

2. a) Explain basic concepts of OOP's. 4
- b) How to specify a class in C++ Explain with syntax and example. 4

**OR**

- c) Explain public data member and private data member. 4
- d) Write a program in C++ to demonstrate Inline member function. 4

**Either:**

3. a) Define constructor with syntax. Also list the type of constructors. 4
- b) What is copy constructor? Explain its usage with suitable example. 4

**OR**

- c) Define destructor write its usage. 4
- d) Write difference between constructor and destructor. 4

**Either:**

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|-----------|----|---|----------|
| <b>4.</b> | a) | What is operator overloading? Explain with example.                     | <b>4</b> |
|           | b) | Write a program to demonstrate the concept of single level inheritance. | <b>4</b> |

**OR**

- |           |    |  |          |
|-----------|----|--|----------|
|           | c) | What is multilevel Inheritance? Explain with example.                                | <b>4</b> |
|           | d) | What are rules of operator overloading? List the operators that can't be overloaded. | <b>4</b> |
| <b>5.</b> |    | Solve all the questions.   |          |
|           | a) | What is function overloading? Explain.   | <b>2</b> |
|           | b) | Define Inline member functions in detail.  | <b>2</b> |
|           | c) | What is Dynamic constructor?   | <b>2</b> |
|           | d) | Explain single Inheritance with example.   | <b>2</b> |

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