

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

P. Pages : 2

Time : Three Hours



**GUG/W/24/12049**

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 question.

**Either:**

1. a) Define function? Explain various types of function with example. 4
- b) Write different console I/o operation in C++. 4

**OR**

- c) What is call by value and call by reference? 4
- d) Write a program to swap a number in C++. 4

**Either:**

2. a) Explain the Advantages and application of object oriented programming. 4
- b) Define object how will you create object Explain with example. 4

**OR**

- c) Explain in following: 4
  - i) Public Member
  - ii) Private Member.
- d) What is class? Write its syntax with example. 4

**Either:**

3. a) What is constructor? Explain with example. 4
- b) Explain Multiple constructors? Explain with example. 4

**OR**

- c) What is destructors? Explain in details. 4
- d) Explain copy constructors with example. 4

**Either:**

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|-----------|----|---|----------|
| <b>4.</b> | a) | What is operator overloading? Explain Arithmetic Operator Overloading with example. | <b>4</b> |
|           | b) | Explain multilevel inheritance with example.  | <b>4</b> |

**OR**

- |           |    |  |          |
|-----------|----|--|----------|
|           | c) | Write the rules for operator overloading in detail.  | <b>4</b> |
|           | d) | What is single-Inheritance? Explain with example.    | <b>4</b> |
| <b>5.</b> |    | Solve all question.                                  |          |
|           | a) | Write a program to demonstrate function overloading. | <b>2</b> |
|           | b) | Define Inline member function?                       | <b>2</b> |
|           | c) | Explain Dynamic object in C++.                       | <b>2</b> |
|           | d) | Defining Derived classes.                            | <b>2</b> |

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