

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

P. Pages : 2

Time : Three Hours



GUG/S/23/12049

Max. Marks : 40

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

Either:

1. a) What is function? Explain various types of function with example. 4
- b) Explain Inline function with example. 4

OR

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

Either:

2. a) Define object how will you create object? Explain with example. 4
- b) Explain Advantages & disadvantages of OOP concepts. 4

OR

- c) Design a class "Employee" with appropriate members Demonstrate array of object. 4
- d) How to specify a class in C++? Explain with syntax and example. 4

Either:

3. a) What is constructors? Explain with example. 4
- b) How to create constant object in C++? 4

OR

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

Either:

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| 4. | a) | What is operator Overloading? Explain with example. | 4 |
| | b) | Explain Binary operator with example. | 4 |

OR

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|-----------|----|--|----------|
| | c) | Explain Single-Inheritance with example. | 4 |
| | d) | Explain Rules of operator overloading. | 4 |
| 5. | | Solve all question. | |
| | a) | Explain I/O operations in C++ | 2 |
| | b) | Explain characteristics of OOP. | 2 |
| | c) | Explain Dynamic objects in C++ | 2 |
| | d) | Define multilevel Inheritance in C++ | 2 |
