

Roll No.

Total No. of Pages : 02

Total No. of Questions : 07

**BCA (Sem.-2)**  
**OBJECT ORIENTED PROGRAMMING USING C++**

Subject Code : UGCA-1909

M.Code : 77417

Date of Examination : 08-07-22

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTIONS TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains SIX questions carrying TEN marks each and students have to attempt any FOUR questions.

**SECTION-A**

**1. Explain :**

- a) OOP's
- b) Access Specifiers
- c) Destructor
- d) Rules for Operator Overloading
- e) Polymorphism
- f) Inheritance
- g) Early Binding v/s Late Binding
- h) Pure Virtual Functions
- i) Compiling & Executing C++ program
- j) Array of Objects

## SECTION-B

2. Differentiate between Procedural Languages & Object Oriented Languages with the support of program examples.
3. Define Classes and Objects. How you can create and access a class through objects? Support your answer with program example.
4. What are constructors in C++? Enlist its various types which are available in C++. Write a program in C++ of parameterized constructor.
5. What is Inheritance? How it is being used in C++? Differentiate multiple and multilevel inheritance with the help of C++ program examples.
6. Define Operator Overloading. How operator overloading can be done in C++? Support your answer with program example.
7. What are Virtual functions? How they are different from Pure Virtual functions? Make a program example in C++ which shows the use of pure virtual function.

**NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.**