

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 : 17-12-22

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. What short note on Array of Objects?
  - b. Write rules to create destructors in C++.
  - c. How is the memory allocated to an object?
  - d. What are text files?
  - e. Why do we use Header files?
  - f. What is a function? Write the structure of the function.
  - g. Define the Scope of a variable.
  - h. Explain the term Late Binding.
  - i. Define friend function.
  - j. What are the various file openings Modes?

## SECTION-B

2. Differentiate between C and C++.
3. Explain call by value, call by reference and call by address with examples.
4. Write a program to overload ++ and -- operators to increase and decrease the value of the object data member.
5. Explain the various types of access specifiers used in C++
6. What are the different types of inheritance in C++? Explain with an example.
7. Write a program to copy one file into another.

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.