

Roll No.

Total No. of Pages : 02

Total No. of Questions : 16

BCA (2019 Batch) (Sem.-2)
OBJECT ORIENTED PROGRAMMING USING C++
Subject Code : UGCA-1909
M.Code : 77417

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

Explain :

- Q1. OOP's
- Q2. Classes & Objects
- Q3. How one can compile & execute C++ Program?
- Q4. Constructors
- Q5. Dynamic Initialization of Objects
- Q6. Private/Public/Protected Keywords
- Q7. Late Binding
- Q8. Multiple Inheritances
- Q9. Operator Overloading
- Q10. Pure Virtual Functions

SECTION-B

- Q11. Write the basic structure of C++ program? How it is different from C? Explain by giving suitable program example.
- Q12. How objects and classes are declared & defined in C++ program & how accesses and instantiates objects & passes the message to other objects in a class. Demonstrate the whole scenario by taking a suitable program example.
- Q13. How dynamic initialization of objects through constructors is possible? Give program example.
- Q14. What is inheritance? Enlist different types of inheritance available in C++? Write a program to demonstrate the use of multilevel inheritance.
- Q15. Differentiate the following with the help of suitable C++ programming examples :
- Early binding vs. Late binding
 - Virtual Functions v/s Pure Virtual Functions
- Q16. Write Short notes on the following :
- Operator overloading in C++
 - Opening & Closing a File in C++

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.