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 :

a) Early binding *vs.* Late binding

b) Virtual Functions *v/s* Pure Virtual Functions

Q16. Write Short notes on the following :

a) Operator overloading in C++

b) 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.