

Roll No.

Total No. of Pages : 02

Total No. of Questions : 07

B.Sc.(IT) (2015 Batch) / BCA (2011 & Onwards) (Sem.-2)

OOPS USING C++

Subject Code : BSIT/BSBC-203

Paper ID : [B1115]

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. Write briefly :

- a) What is inline function?
- b) What do you mean by friend function?
- c) What is Array?
- d) Define pure virtual function.
- e) What is the use of break statement?
- f) What is the use of friend class?
- g) What are unary operators?
- h) What is role of virtual function?
- i) What is destructor?
- j) What is the purpose of nested structure?

SECTION-B

2. Explain the role of class, object, data member, member function and access specifies in C++ with an example.
3. What is the use of static member and static function? Explain it with an example of each.
4. Write a program in C++ to find the product of digits of a given number.
5. Explain the various ways to derive new classes with an example of each.
6. What is the difference between early and late binding? Explain with an example of each.
7. How files are handled in C++? Write a program to perform read/write operations in file handling.