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BCA (2011 & Onward) (Sem.-2)
B.Sc.(IT) (2015 & Onward)
OOPS USING C++
Subject Code: BSIT-203

Subject Code: BSIT-203 Paper ID: [B1115]

Time: 3 Hrs. Max. Marks: 60

INSTRUCTION TO CANDIDATES:

- SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
- 2. SECTION-B contains SIX questions carrying TEN marks each and a student has to attempt any FOUR questions.

SECTION A

Q1. Write briefly:

- a) What is Encapsulation?
- b) Name any 4 C++ compilers.
- c) What is Base and Derived Class?
- d) What is the use of static function?
- e) Write down the syntax to create a class and object.
- f) What are Local and Global variables?
- g) Explain Friend Function.
- h) Discuss the use of Scope resolution operator.
- i) What are streams?
- j) What is buffer?

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SECTION-B

- 2. a) Why we use Virtual Functions in C++ programs? Explain.
 - b) What do you understand by Pass By Reference? Discuss with C++ program.
- 3. a) Differentiate between C and C++.
 - b) Write a note on Data Hiding.
- 4. a) Discuss various manipulators used in C++.
 - b) How Function Overloading is possible in C++? Discuss with C++ program?
- 5. Define a constructor. How will you overload a constructor? Explain with example.
- 6. What is Inheritance? What are its different types? Also write C++ program to implement Multiple Inheritance.
- 7. Write notes on:
 - a) Protected Inheritance
 - b) Destructor

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