Exam. Code : 107203

Subject Code : 9063

BCA 3rd Semester (Old Sylb.—2016)

C++ (OOP LANGUAGE)

Paper—III

Time Allowed—3 Hours] [Maximum Marks—75

Note :— Attempt any **five** questions. All questions carry equal marks.

1. Discuss the following :

    (a) Different types of Operators in C++. 7½

    (b) Preprocessor Directives. 7½

2. (a) What are the features of IDE ? Explain them. 7½

    (b) How strings can be initialized using looping statements ? Explain by taking suitable example.

    7½

3. (a) Write a program in C++ demonstrating the use of if-else ladder statement. 7½

    (b) Write a program to find average of first 20 numbers using while loop statement. 7½

4. (a) What are functions ? Write a program to overload base class function in multi-level inheritance. 7½

    (b) Write a program using functions to compare two strings. 7½

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5. (a) What are pitfalls in operator overloading ? Explain. 7½

   (b) Overload unary++ operator to add two dates. 7½

6. Discuss the significance of public Inheritance in OOP Language. How single inheritance differs from hierarchical Inheritance ? Explain. 15

7. (a) Demonstrate runtime polymorphism by taking an example. 5

   (b) Discuss the following :

   (i) Accessing structure members 5

   (ii) Overriding member functions. 5

8. Write short notes on the following :

   (a) Default Constructors. 7½

   (b) Local and Global variables. 7½