Exam. Code : 110001
Subject Code : 3644

Bachelor of Vocation (Web Tech. & Multimedia)
1st Semester

PROGRAMMING FUNDAMENTALS (C & C++)

Paper—103

Time Allowed—Three Hours]   [Maximum Marks—50

Note :— Attempt any **FIVE** questions. All questions carry equal marks. Students can use only non-programmable and non-storage type calculator.

1. What do you mean by programming process ? Discuss the various phases of programming process in detail.
10

2. Explain various conditional control structures available in C language with the help of examples.   10

3. What are various ways to read and write a single character in C ? Discuss in detail giving suitable examples.   10

4. Write a program to count the number of trailing zeros in a given number.   10

5. Differentiate the following :

    (a) Break and continue statement   4

    (b) Library functions and user defined functions 3

    (c) Local variable and global variable.   3

6. Define function overloading. How default arguments are passed to functions ? Explain giving suitable example.   10

7. Define constructors and destructors. What are the properties of constructors and destructors ? What are the various types of constructors ? Explain.   10

8. Define polymorphism and explain the various methods of implementing this concept in C++.   10