

Exam. Code : 107201

Subject Code : 2008

BCA Semester—I

**INTRODUCTION TO PROGRAMMING C-I**

**Paper—I**

Time Allowed—3 Hours] [Maximum Marks—75

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

1. Define flowchart. What are the various symbols used in flowchart ? Write the purpose of each symbol. 15
2. What are the different types of operators available in 'C' ? Explain. 15
3. What are the various commonly used input/output functions of 'C' ? Explain giving examples. 15
4. What are the different iterative control structures available in 'C' ? Explain giving examples. 15
5. (a) Write a program to read data in all basic data types and print that data. 7.5  
(b) How strings are read and printed ? Explain giving example. 7.5

531(2116)/RRA-4464

(Contd.)

6. Define recursion. Write recursive function for finding factorial of a number. 15
  
7. Define and distinguish between the following :
  - (a) Function declaration and function definition
  - (b) Actual parameters and formal parameters.

$2 \times 7.5 = 15$
  
8. Write a program to perform addition of two matrices. 15