

Exam. Code : 107201

Subject Code : 8116

Bachelor of Computer Application (BCA) 1st Sem.
(Old Sylb 2016)

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. Write an algorithm for searching a number from a list of numbers. 15
2. What are decision trees ? How these are used in program design ? Explain giving example. 15
3. What do you mean by operator precedence ? Draw the operator precedence tree. 15
4. What are the different input and output functions in C ? Explain giving examples. 15
5. (a) What are the different conditional control statements in C ? Explain giving examples. 10
(b) Distinguish between break and continue statements. 5

6. (a) What do you mean by function declaration, function definition and function call ? 10
- (b) Define recursion. 5
7. Write a program to compute factorial of a number using recursive function. 15
8. Define arrays. How arrays are passed as function arguments ? Explain. 15