

Exam. Code : 107201  
Subject Code : 1744

Bachelor of Computer Application (BCA) 1<sup>st</sup> Semester  
INTRODUCTION TO PROGRAMMING-C  
Paper—1

Time Allowed—3 Hours] [Maximum Marks—75

Note:—Attempt any five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section. All questions carry equal marks.

SECTION—A

- Write short notes on the following :  
(a) Character set (b) Constant  
(c) Symbolic constant (d) Reserve words  
(e) Identifiers 5×3=15
- What are different types of operators in C ? What is the difference between operator precedence and associativity ? Explain. 15

SECTION—B

- What are the different types of loops available in C ? Explain giving suitable examples. 15
- Write a program demonstrating uses of all types of storage classes available in C. 15

SECTION—C

- (a) Define functions. What is the difference between formal and actual parameters ? Explain giving examples. 10  
(b) Write a recursive function for finding factorial of a given number. 5
- Write a program to multiply two matrices and store the result in third matrix. 15

SECTION—D

- Define and distinguish between structures and unions. What are the uses of unions ? Explain giving examples. 15
- Define pointer. How pointer to functions is used ? Explain giving example. 15