

Exam. Code : 105701
Subject Code : 1462

B.Sc. Information Technology 1st Semester
(Batch 2022-25)
INTRODUCTION TO PROGRAMMING—C
Paper—II

Time Allowed—3 Hours] [Maximum Marks—75

Note :— Attempt FIVE questions in all, selecting at least ONE question from each section. The fifth question may be attempted from any section. All questions carry equal marks.

SECTION—A

1. Define the following :
Character set, Identifier, Keyword, Constant, Variable. 15
2. Write five data input statements to read different types of data i.e. byte, int, char, float, string. 15

SECTION—B

3. Write a C program to find average of first ten natural numbers using :
(a) for statement
(b) while statement
(c) do..while statement. 15

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(Contd.)

4. Write any five library functions with examples in the C language. 15

SECTION—C

5. Explain any five library functions for manipulating strings. 15
6. Explain the structure of a program that uses functions to add, multiply two 1D arrays. 15

SECTION—D

7. Use the structure data type to create a SHOPPING CART and then create function BILLING which is passed a SHOPPING CART argument. Depending upon the ITEMS PRICE & QUANTITY, the function should calculate BILL AMOUNT. 15
8. (a) What is a pointer variable ? Which pointer arithmetic is possible ? 7
(b) How multidimensional arrays are handled using pointers ? 8