Exam. Code : 105701
Subject Code : 1443

B.Sc. Information Technology 1ˢᵗ Semester
INTRODUCTION TO PROGRAMMING–C
Paper–II

Time Allowed—3 Hours]　　　[Maximum Marks—75

Note :— There are four sections, each having **two** questions. Attempt any **five** questions, selecting at least **one** question from each Section. **Fifth** question may be attempted from any Section. All questions carry equal marks.

SECTION–A

1. (a) What is difference between Identifier, Keyword, Variable, Constant and Symbolic Constant ? Give example of each.

   (b) Write a program to find the roots of quadratic equation.

2. What is difference betweenUnary, Binary and Ternary operators ? Give example of each. What is meant by precedence and associativity of an operator ?

SECTION–B

3. Explain various Control statements available in C.

4. Which are various storage classes and storage class specifiers available in C ? Explain each with example.

SECTION–C

5. (a) What is function ? Which are different types of functions ? Give example of each.

   (b) Explain various string handling library functions available in C.

6. Write a program to check whether a number given by user is prime or not, using functions.

SECTION–D

7. (a) What is meaning of user defined data types ? What is difference between Structure and Union ?

   (b) How will you pass a structure to a function ? Explain with an example.

8. What is Pointer ? Which are various uses of Pointers ? Explain the concept of pass by reference with an example.