Exam. Code : 107201
Subject Code : 1773

Bachelor of Computer Application (BCA)

1st Semester

INTRODUCTION TO PROGRAMMING C

Paper—I

Time Allowed—3 Hours]　　　　[Maximum Marks—75

Note :—Attempt any **FIVE** questions, selecting at least **ONE** question from each section. All questions carry equal marks.

SECTION—A

1. Write short notes on the following :—

    (a) Character set.

    (b) Keywords.

    (c) Identifier naming rules.

    (d) Expressions.

    (e) Symbolic constants.　　　　　5×3=15

2. (a) What are the different types of operators available in C ? Explain giving examples.　　10

    (b) What is operator precedence and associativity ? Explain.　　5

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SECTION—B

3. Write a program for producing all the possible outcomes of rolling three dices. 15

4. (a) What are the different conditional control statements in C ? Explain giving examples. 10

    (b) Distinguish between break and continue statements. 5

SECTION—C

5. (a) Define functions. What are the methods of passing parameters to functions ? Explain giving examples. 10

    (b) Write a recursive function for finding factorial of a given number. 5

6. Define arrays. How two-dimensional arrays are declared and initialized ? Explain giving example. 15

SECTION—D

7. Define and distinguish between structures and unions. What are the uses of unions ? Explain giving examples. 15

8. Define pointer. How pointer to functions is used ? Explain giving example. 15