Reg No

BCA I Semester Examination, Feb/March, 2024
Paper: DSC 01
Subject: Programming in C

Duration of Paper: 02 Hrs   Maximum Marks: 60

Instructions to candidates: Answer the questions as per the instructions given.

1. Answer any six questions of following.   2X6=12
   a. What are keywords? Mention any four.
   b. What are getchar() and putchar() in C?
   c. What are Relational operators? Give example.
   d. Define looping statements? Mention its types.
   e. What are arrays? Mention its types.
   f. What are strings? Write the syntax of declaring string in C.
   g. Define function in C. write its syntax.
   h. What are structures and unions?

2. Answer any three questions of the following.   4X3=12
   a. Explain basic structure of C - program.
   b. Explain scanf() and printf() functions in c.
   c. Write a C program to read radius and find the area of circle.
   d. Define identifier in C. Write its rules.

3. Answer any three questions of the following.   4X3=12
   a. Explain Logical and Arithmetic operators
   b. Explain switch statement with syntax and example.
   c. Write a C program to find largest of three numbers.
   d. Explain while and for loop statements with syntax.

4. Answer any three questions of the following.   4X3=12
   a. Explain two dimensional arrays, how you declare and initialize two dimensional array in C.
   b. Discuss string handling function-strlen, strcpy, strcmp and strcat used in C.
   c. Write a C program find the length of a string without using built – in function.
   d. write a C program for addition of two matrices

5. Answer any three questions of the following.   4X3=12
   a. Write the differences between structures & unions.
   b. Explain different categories of user defined functions with suitable example.
   c. Write a C program using structure to store the record of n students.
   d. Explain components of user defined function with syntax and example.