BCA (Sem. – 1ˢᵗ)
PROGRAMMING IN C
SUBJECT CODE : BSBC – 102 (2K11)
Paper ID : [B1109]

Time : 03 Hours   **Maximum Marks : 60**

Instruction to Candidates:

1)   Section - A is **Compulsory**.
2)   Attempt any **Four** questions from Section - B.

Section - A

Q1)   *(10 × 2 = 20)*

     a)   What is the syntax of nested if statement?
     b)   What are Local and global variables?
     c)   What is a conditional operator in C.
     d)   What is a scope of any variable?
     e)   What is the structure of a C program?
     f)   What are the logical operators available in C?
     g)   What is a pointer?
     h)   What is format specifier?
     i)   How structure is represented?
     j)   What is a conditional statement?

Section – B

(4 × 10 = 40)

Q2)   What are the various Control Structures available in C? Explain with example.

Q3)   Explain the syntax of following in C.
     (a) Union Statement.
     (b) Switch statement.

Q4)   (a) Write a program to find the difference of two matrix.
     (b) How are two dimensional arrays are accessed using pointers.

Q5)   (a) What are the various file opening statements available in C?
     (b) What are the various types of operators available in C language?

Q6)   (a) What are the steps in the design of a program. What is the structure of a C program.
     (b) Draw flow chart to find the largest and smallest of three numbers.

Q7)   What are the methods through which the parameters are passed to a function in C language? How do they make a difference?

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