BACHELOR OF SCIENCE (COMPUTER SCIENCE) (CBCS - 2018 COURSE)
F.Y.B.Sc.(Computer Science) Sem-I :SUMMER- 2022
SUBJECT : PROGRAMMING IN C-I

Day : Tuesday   Time : 11:00 AM-02:00 PM
Date : 5/7/2022   **S-20067-2022**   Max. Marks : 60

N.B.:
    1)   All questions are **COMPULSORY**.
    2)   Figures to the **RIGHT** indicate full marks.
    3)   Draw diagrams **WHEREVER** necessary.

Q.1   Answer **ANY TWO** of the following: **(12)**
    a)   Explain block of C program in detail.
    b)   Write a C program to accept 5 integer values and find its average.
    c)   What are logical operators supported by C?

Q.2   Answer **ANY TWO** of the following: **(12)**
    a)   Write a C program to find reverse of a number.
    b)   Differentiate between while and do.. while loops.
    c)   Explain the concept of structured programming.

Q.3   Answer **ANY TWO** of the following: **(12)**
    a)   Describe various built-in datatypes supported by C with syntax and example.
    b)   Write a C program to find given number is an Armstrong number of nat.
    c)   Differentiate between physical errors and logical errors.

Q.4   Answer **ANY THREE** of the following: **(12)**
    a)   Give syntax and example of switch statement.
    b)   What is function? Give its syntax and example.
    c)   Define - algorithm, flowchart.
    d)   What is meant by static variable?

Q.5   Answer **ANY FOUR** of the following: **(12)**
    a)   Write a C program to check given number is even or add.
    b)   What is a constant? Explain symbolic constant.
    c)   State the purpose of auto storage class.
    d)   Write a C program to find factorial of a number using function.
    e)   What is Recursion? Write a recursive function to find next term of Fibonacci series.
    f)   Describe salient features of C programing language.

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