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

Day : Wednesday

Time : 10:00 AM-01:00 PM

Date : 7/12/2022

W-20067-2022

Max. Marks : 60

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N.B:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
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Q.1 Answer **ANY TWO** of the following: **(12)**

- a) Write C program for printing First Five terms of Fibonacci Series.
- b) Describe various Relational and Arithmetic operators in C language.
- c) Explain the basic structure of a C program.

Q.2 Answer **ANY TWO** of the following: **(12)**

- a) Differentiate between High level language and Low level language.
- b) Elaborate objectives and application areas of C language.
- c) Write C program for finding GCD and LCM of two positive integers.

Q.3 Answer **ANY TWO** of the following: **(12)**

- a) Describe various storage classes and its scope in C language.
- b) What is function? State the purpose of any two standard string functions.
- c) Write a C program for finding roots of quadratic equation-
 $Ax^2 + Bx + C = 0$.

Q.4 Answer **ANY THREE** following: **(12)**

- a) Write a C program to accept two positive integers and swap their contents using call by reference.
- b) Define- Linker, Loader and Assembler.
- c) Give syntax and example of 'do .. while' loop.
- d) Write a user defined function in C to find square of a number.

Q.5 Answer **ANY FOUR** following: **(12)**

- a) Explain the use of logical operators supported by C language.
- b) Write C program for finding given number is positive or negative.
- c) Give syntax and example of Switch statement.
- d) Differentiate between syntax errors and logical errors.
- e) Write a C program to check the relation between two integers.
- f) What is pre-processor directive?

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