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Reg. No. ☐☐☐☐☐☐☐

I Semester B.A/B.Sc. Degree Examination, August - 2021
COMPUTER SCIENCE
Programming Concepts Using C
(CBCS Scheme 2015-16 Onwards F + R)
Paper : 1

Time : 3 Hours

Maximum Marks : 70

Instructions to Candidates :

Answer **ALL** Sections.

SECTION - A

I. Answer any **Ten** questions. Each question carries **2** marks. (10×2=20)

1) What is a software? Mention its types.

2) What is an algorithm?

3) What are constants? Give example.

4) What are local and global variables?

5) Mention the different data types available in C.

6) Write the difference between = and == operators.

7) What is the difference between IF and SWITCH statements?

8) What is a string? Give example.

9) What is a called and calling function?

10) Give example for getchar() and putchar() function.

11) What is a pointer?

12) Mention any two preprocessor directives.

SECTION - B

II. Answer any **Five** questions. Each question carries **10** marks. (5×10=50)

13) a) Write a Flow Chart to find largest of 3 numbers.

   b) Write the different relational operators and give an example for each. (4+6)

14) a) Explain while statement with an example.

   b) Write the structure of a C program and explain the various sections. (5+5)

15) a) Explain different forms of if statement.

   b) What is an array? Explain the different types of arrays with their syntax and example. (6+4)

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16) a) Write a C program to find sum of two matrix using arrays.

b) Explain any 5 string handling functions with example.   (5+5)

17) a) Explain Function with argument and with return value. Give example.

b) What is recursion? Write a program to find factorial of a number using recursion.

          (5+5)

18) a) What is the use of -

i)   goto statement

ii)   break statement

iii)   exit statement

iv)   return statement

v)   continue statement.

b) Explain any 2 storage classes.   (5+5)

19) a) What is a structure? How do you declare and initialize a structure?

b) Write the use of -

i)   typedef

ii)   enum.   (5+5)

20) a) Write the different file accessing modes with their meaning.

b) What is a macro? Mention the various types of macros.   (5+5)