

B.Sc. - I CBCS Pattern Semester-II
USCST04 - Computer Science Paper-II (Structured Programming with C)

P. Pages : 2

Time : Three Hours



GUG/W/23/11577

Max. Marks : 50

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- Notes : 1. All the questions are compulsory and carry equal marks.
2. Draw neat and labelled diagram wherever necessary.
3. Avoid vague answer and write answer relevant and specific to question only.

Either:

1. a) What do you mean by Array? Explain the Bounce checking. 5
b) Write a program in 'C' to initialize 5 elements and sum the elements of an array. 5

OR

- c) Write a program search an element S among N numbers using C. 5
d) Write a program to sort the list of 'N' number using bubble sort. 5

Either:

2. a) Define structure? Explain the need of structure. 5
b) What do you mean by Union? Explain the concept of union. 5

OR

- c) Explain the Arrays of structure with suitable example. 5
d) Write a program to enter the marks of 5 subjects of 3 students and also find the total marks of each student using structure with array using C. 5

Either:

3. a) Explain any two Arithmetic Library function. 5
b) Write a 'C' program to find factorial of a given number using recursion. 5

OR

- c) Explain the Extern and Register storage class. 5
d) What is user defined function? Write its advantages. 5

Either:

4. a) Write a 'C' program to swap two numbers using call by reference function. 5
b) Explain the operation of files in C. 5

OR

- c) Explain the any two Dynamic Memory Management Functions. 5
d) Explain the file handling function in C. 5
5. Attempt all the questions.
- a) Write a note on strcpy() Function. 2½
b) Write a note on Enum. 2½
c) Explain the user defined functions. 2½
d) Explain the command line Argument? 2½
