VIT®
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

Class Number: VL2020210504705   **Slot:** L43+L44   **Maximum Marks: 10**

General Instructions:
Document Format for each question:
Question
Your Program
Your output
*Screenshot of your program and output **with your identity**.*
Upload: as pdf with file name as regno_Ass4.pdf

1. Alex and Alan bought n different products from Allmart. Write a C program to calculate separate bill for them, by passing prices of product to functions using variable length arguments.

2. Write a C program to display the grade of n students by calculating the average of 3 marks using bit fields.

3. Write a C program to create an array A of n numbers. Create another array B with the square of elements of array A, by using passing and returning array as pointers to function.

4. Write a C program to find whether a given number is prime or not using function pointer.

5. Write a C program to create a file F1 with a string1. Create another file F2 from F1 such that all the characters of string1 as upper case and print the result in screen. While creating the files check for the validity of file creation.

6. Write a C program to create a student record with name, id and date of birth and store it as a binary file. Later append another record of student to the same file.

7. Write a C program to find the sum of 5 numbers using nested macro.

8. Just for learning: Write a C program to call main() function recursively and perform sum of 1 to 10 numbers.