1A

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| 1. ***Write a function that receives 5 integers and returns the sum, average, and standard deviation of these numbers. Call this function from main() and print the results in main().*** 2. ***Write a function that receives marks received by a student in 3 subjects and returns the average and percentage of these marks. Call this function from main() and print the results in main().*** 3. ***Write a C function to evaluate the series: See page 171 of textbook. up to 10 terms.*** 4. ***Given three variables x, y, z write a function to circularly shift their values to right. In other words if x=5, y=8, z=10, after circular shift y=5, z=8, x=10. Call the function with variable a, b, c to circularly shift values.*** |

2A

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| 1. Write a program in C to Calculate the length of the string using a pointer. 2. Write a program in C to swap elements using call by reference. 3. Write a program in C to find the factorial of a given number using pointers. 4. Write a program in C to count the number of vowels and consonants in a string using a pointer. 5. Write a program in C to compute the sum of all elements in an array using pointers. 6. Write a program in C to print the elements of an array in reverse order. 7. Write a program in C to print all the alphabets using a pointer. 8. Write a program in C to print a string in reverse using a pointer. 9. ***Create a function to take two numbers (int) and set both of them to the highest of the two.*** 10. ***Create a function that returns the number of uppercase and lowercase letters in the given string.*** |

2B

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| 1. ***Write a program to find out how many times a substring is found in the main string. Accept main string and sub string from keyboard.*** |

1B

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| 1. ***Do Amma’s exercise.*** 2. ***If the lengths of sides of a triangle are given, use Heron’s Formula to compute the area of a triangle.*** 3. ***Write a function to calculate distance between two points, use this function to calculate the area of a triangle, use this function to tell whether a point is inside or outside a triangle.*** 4. ***Write a function to compute the GCF of two numbers using the Euclidean Algorithm.*** 5. ***WAP to add two numbers using pointers.*** 6. ***WAP to add numbers using call by reference.*** 7. ***WAP to find the maximum number between two numbers using a pointer.*** 8. ***WAP to count all the permutations of the string "abcd."*** 9. ***WAP to find the largest element.*** |

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