ASSIGNMENT FOR CLASS – XI:

COMPUTER SCIENCE
SUBJECT CODE - (083)

DEAR CADETS,

YOU ARE TO SOLVE ALL THE 25 PROGRAMS AND BRING SOFT COPY IN CD FORMAT.

BELOW AVERAGE PROGRAMS:
1. Write a C++ program to display Hello Sainik School Amaravathinagar.
2. Write a C++ program to display your school address.
3. Write a C++ program to display your permanent address.
4. Write a C++ program to display your details.
5. Write a C++ program to read two decimal numbers, then multiply them together and finally print out the result (in decimal)
6. Write a C++ program to find the area of a rectangle.
7. Write a C++ program to compute the area of square.
8. Write a C++ program that inputs a student’s marks in three subject and prints the total and percentage marks.
9. Write a C++ program to display the following outputs using single cout statement.
   Program = 20
   Documentation = 23
   Logic = 21
   Flowchart =14

AVERAGE PROGRAMS

10. Write a C++ program to read the values of w,x,y and z and display the value of p where, $p = \frac{w+x}{y} - z$
11. Write a C++ program to read a temperature in Celsius and displays it in Fahrenheit
12. Write a C++ program that displays on the screen
   a) character ‘z’  b) the name “Mohan”  c) the number 1977
13. Assuming there are 7.481 gallons in a cubic foot, write a program that asks the user to enter the number of gallons and then display the equivalent in cubic feet.
14. Write a C++ program that accepts the radius of a circle and print its area.
15. Write a C++ program to accept two integers and print their sum.
16. Write a C++ program to calculate the value of f where,
   \[ f = \left( a + \frac{b}{c} \right) - d \]
17. Write a C++ program to find the square of entered number.
18. Write a C++ program to find the square root of entered number.
19. Write a C++ program which adds the sales tax in the price list of items and replace
    the price list with the new list for 5 items.

**ABOVE AVERAGE PROGRAMS - HIGH ORDER THINKING SKILLS (HOTS) - PROGRAMS**
20. Write a C++ program to interchange the values of two variables.
21. Write a C++ program to interchange the values of two variables without
    using the third variable.
22. Write a C++ program that reads the grams and convert it into Kilograms.
23. Write a C++ program that reads centimetre and convert it into feet.
24. Write a C++ program that accepts character between ‘D’ to ‘Z’ and prints
    previous three characters.
25. Write a C++ program that reads a character and prints its successor and
    predecessor.