**Class 11th Holiday homework OCT 2023**

1) Distinguish between internal and external memory

2) Convert 1) decimal to binary- 106, 84

 2) binary to decimal- 10010, 101010

 3) (4A8C)16 to binary

 4) (2C9)16 to decimal

3) logic diagram a) (A`+BC)(B`+C`A) b) AB`+B`C`+ABC

4) FIND THE dual of Boolean expression A`D + C`D + A`B

5) Write the full form of - ROM, RAM, ALU, ASCII, ISCII, IDLE

6) a)DEFINE TOKENS IN DETAIL.

 b)HOW LIST IS DIFFERENT FROM STRING.

7) EXPLAIN

 1-MUTABLE AND IMMUTABLE DATA TYPE WITH EXAMPLE.

 2-IMPLICIT AND EXPLICIT TYPE CONVERSION.

8) WRITE PROGRAMS -TO FIND SMALLEST AMONG given three numbers

 - to calculate average of 6 numbers

 - menu driven program to calculate area, perimeter of circle

 -to print prime number from 1 to 200

 - to check Armstrong number

 - to check palindrome number

 - to print Fibonacci series upto given value.

9) write a program which reads a paragraph and count number of digits, char, and special symbols.

10) write a program which a paragraph and print all those lines having first char a vowel.