**Question Bank for OSTL Practical Examination**

**(2018-2019)**

1. WAP that prints all real solutions to the quadratic equation ax2+bx+c = 0. Read in a, b, c and use the quadratic formula. If the discriminate b2-4ac is negative, display a message stating that there are no real solutions.
2. WAP to Check Prime Number in an interval.
3. WAP to Check an Armstrong Number.
4. WAP to Count number of vowels and consonants from the given strings
5. WAP to demonstrate sorting algorithms using List.
6. WAP to Demonstrate searching algorithms using List or tuple.
7. WAP to Convert Decimal to Binary, Octal and Hexadecimal .
8. WAP to Display Fibonacci Sequence Using Recursion.
9. Write a Menu driven program in python to implement simple banking application. Application should read the customer name, account number, initial balance, rate of interest, contact number and address field etc. Application should have following methods.

createAccount()

deposit()

withdraw()

computeInterest()

displayBalance()

1. Write a program to handle inbuilt exception and User Defined Exception (InvalidMonthException, InvalidMarksException)
2. WAP program that reverses the word order of the input file.
3. WAP to perform simple word-count program**.**
4. WAP to that reads a csv file and displays all the words starting with letter ‘a’
5. WAP that creates a file to add lines in it. Then it displays first 5 lines from it.
6. WAP to read a csv file and extract second column into a list and prints the list.
7. WAP to copy a file from client to server using tcp socket.
8. WAP to develop chat application using socket.
9. WAP to implement UDP based Time Server
10. WAP to perform Create, insert, delete and view operations for Priority Queue using Linked list.
11. WAP to perform Create, insert, delete and view operations for Stack using Linked list.
12. WAP to create a registration form on an Tkinter Form. To display Different menu items.