

# All India Senior Secondary Certificate Examination-2023-24

School Code: 44016

Computer Science with Python (083)

Time 1½ Hours

SET A

M.M. 30

Q. 1 (A) Write a Program that reads a text file and prints its statistics like: 04

Number of uppercase letters:

Number of lowercase letters:

Number of vowels:

Number of consonants:

Q1 (B) Write a Program for implementation of PUSH and POP operations of stack and also display the content of the stack. 04

## Interface of Python with SQL database

Q2 Complete the following database connectivity program by writing missing statements and perform the given query. 04

import \_\_\_\_\_ as ms Statement 1

mycon = ms. \_\_\_\_\_ ( host = "localhost", user = "root", passwd = "123",  
database = "company" ) Statement 2

cursor = mycon.cursor( )  
cursor.execute( \_\_\_\_\_ ) Statement 3

data = cursor. \_\_\_\_\_ Statement 4

for rec in data:

print ( rec )

mycon.close( )

a) Complete the statement #1, by writing the name of library / package needed to import for database connectivity.

b) Complete the statement #2, write the name of method required to create connection between python and mysql.

c) Complete the statement #3, write the query to display those employee records whose salary is between 1000 and 10000 from table EMPLOYEE.

d) Complete the statement #4, to retrieve all records from the result set.

Q.3 Practical File 7

Q.4 Project File 8

Q.5 Viva voce 3

(Signature)

Internal Examiner No. & Name

(Signature)

External Examiner No. & Name

