SAMPLE PAPER

General Instruction:
   (a). Make sure to follow a sequence while writing.
   (b). Paper is divided into three sections i.e. A, B and C
   (c). Section A contains VERY Short Answer Type questions of 5 marks
   (d). Section B contains Short Answer Type Questions of 10 marks with internal choices
   (e). Section C contains Long Answer Type Questions of 10 marks

SECTION A (VERY SHORT ANSWER TYPE)-5 MARKS

Q1. Which of the following functions will return the string with every 'P' replaced with a 'z' ?   1

      a. find()   b. index()

      c. replace()   d. split()

Q2. The elements of a list are arranged in descending order. Which of the following two will   1
give same outputs?

    i. print(list_name.sort())   ii. print(max(list_name))

    iii. print(list_name.reverse())   iv. print(list_name[-1])

Q3. Which of the following is/ are not legal string operators?   1

      a) in   b) +

      c) *   d) /

    e)

Q4 and Q5 are ASSERTION AND REASONING based questions. Mark the correct choice as

A)   Both A and R are true and R is the correct explanation for A

B)   Both A and R are true and R is not the correct explanation for A

C)   A is True but R is False

D)   A is false but R is True

Q4. **Assertion(A):** Assigning a list name to a new name does not create a true copy of a list   1
rather it just creates an alias.

    Reasoning(R): An alias simple refers to the old list with a new name, while a true copy
creates a new list with a different memory location.

Q5. **Assertion (A):** String slices and substring both are extracted subparts of a string.   1

    Reasoning(R): String slices and substrings mean the same.

SECTION B (SHORT ANSWER TYPE QUESTIONS)- 10 MARKS

Q6. Given a string S, write expressions to print   2

    i.   First five characters of S

    ii.   Ninth characters of S

    iii. Reversed S

    iv. Alternate characters from reversed S

OR

What is the difference between sort and sorted function in list.

Q7. What is the difference between split() and partition () functions?   2

Q8. Predict an output of the following: 2

x='hello world'

print(x[:2],x[:-2],x[-2:])

print(x[6],x[2:4])

print(x[2:-3],x[-4:-2])

OR

Predict an output of the following:

my_lst:-['p','r','o','b','l','e','m']

my_lst[2:3]=[]

print(my_lst)

my_lst[2:5]=[]

print(my_lst)

Q9. An index out of bounds given with a list name causes error, but not with a list slices. Why? 2

Q10. Start with the list [8,9,10]. Do the following using list functions 2

    a. Remove the second entry from the list

    b. Double the list

    c. Add 4,5 and 6 to the end of the list

    d. Sort the list

SECTION C (LONG ANSWER TYPE QUESTIONS)- 10 MARKS

Q11. A. Write a program in Python that consider any list of numbers and finds out the product of all unique numbers. As an example 4 [2+2]

If the list is [2,3,4,1,2,6,5,3,4,7], result will be 5x1x6x7 = 210

    B. Write a program that takes a sentence as an input where each word in the sentences is separated by a space the function should replace each blank with a hyphen and then print the modified sentences.

Q12. A. Write a program in list which considers any list of numbers and remove all the occurrence of an element from a list. 6 [3+3]

    B. Write a program which replaces all vowels in the string with '*' and print the new string