COMPUTER SCIENCE

ASSERTION AND REASON BASED MCQ

1. Assertion (A): Python supports multiple execution modes.
    Reason (R): Interactive mode allows execution of individual statement instantaneously,
    while script mode allows us to write more than one statements.   1

    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

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

2. Assertion (A):   Python variables are automatically declared and defined when they are
    assigned a value.
    Reason (R):   The data type of Python variable depends on the value assigned to them.   1

    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

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

CASE STUDY BASED QUESTION

1. Mr. Deben is a computer science teacher created a list
    List = [1,2,3,4,5,6,7,8,9]

    a. He wants to know the number of elements of list. Which function he should
        use to get answer.   1

    b. Mr. Deben want to add two new elements 10,11 in the last. Write the python code for
        the same.   1

    c. How can he display list in ascending order? Write the code.   1

Ans: a. By using len() function

        b. List = [1,2,3,4,5,6,7,8,9]
            List.append([10,11])
            print(List)

        c. List = [1,2,3,4,5,6,7,8,9]
            List. sort ([10,11])
            print (List)