



## Revision Assignment - 1

1. \_\_\_\_\_ makes use of computer Communication Technology along with IOT to manage and distribute resources effectively.

- a) Smart cities
- b) smart ways
- c) Smart Planners
- d) Smart Technologies

2. Consider the given list: L=['Delhi','Mumbai','Kolkata','Chennai']

What L [3:2] returns?

- a) Empty List
- b) ['Chennai','Kolkata']
- c) ['Chennai']
- d) ['Kolkata','Chennai']

3. \_\_\_\_\_ is system of artificial intelligence, wherein computers have the ability to learn from data using Statistical Techniques without being explicitly programmed by a human being.

- a) Artificial intelligence
- b) Machine learning
- c) Data science
- d) Big Data

4. What will be the output of the following:

```
print (range (0,10,2))
```

- a) 0,2,4,6,8
- b) range (0,8,2)
- c) error
- d) 0,2,4,6

5. Find the output of the given code

```
x= int (input ("Enter value of x:"))
```

```
for in range (0,10):
```

```
    if x==y:
```

```
        print (x + y)
```

```
else:
```

```
    print(x-y)
```

6. Explain the Role of Operating System.

7. What is the degree and cardinality of the below-mentioned table?

T_ID	T_Name	Subject	Num_of_Periods	DOJ
101	Amit	NULL	24	2018-04-12
102	Sumita	Science	26	2020-07-20
103	Raman	Maths	27	2019-04-23
104	Rahul	Science	31	2021-10-15
105	Kavya	Hindi	30	2022-10-12

8. A Learnpython4csbe maintains a List 'School' that contains many values. Write the most appropriate list method to perform the following task with python statement of each function.

- (a) Delete a given value from the list.
- (b) Delete the 2rd element from the list.
- (c) Add single element at the end of the list.
- (d) To sort the given list in ascending order.
- (e) To return the element with minimum value from the list.

9. i) A relation 'Seller' has the following attributes:

(SNo, SellerName, Sale date, sale\_Qty, Saleprice)

Write a command to insert a single row in the table mentioned above. (Assume appropriate values)

ii) Ms. Nita wants to retrieve non duplicate values from the attribute 'S\_Subject' from the table

'Teacher\_Details' .Which clause should she use to retrieve the same?

iii) Is Null same as ' ' (a blank space in quotes) in MySQL? Write reason to support your answer.

iv) Two wild card (\_ and %) are used with \_\_\_\_\_ operator in MySQL.

10. Consider the table 'Student Details' given below and write suitable SQL queries of the following:

**Table: Student Details**

S_ID	S_Name	Subject	Marks	DOB
101	Amit	NULL	24	2018-04-12
102	Sumita	Science	26	2020-07-20
103	Raman	Maths	27	2019-04-23
104	Rahul	Science	31	2021-10-15
105	Kavya	Hindi	30	2022-10-12

- i) Display the S\_Name and Marks by increasing the marks each by 1.
- ii) Display S\_Name of all those Students whose date of Birth is after 1st Jan2019.
- iii) Display S\_ID and S\_Name of all those Students whose marks are in the range of 25 to 30. (both values included)
- iv) Display the details of all those students who have not assigned any subject.
- v) Display the details of all those students whose subject is either Hindi or Science.