

## **Q1. Multiple choice questions: -**

- Which of the following is a type of sensor?  
(a) Temperature sensor (b) Humidity Sensor (c) Optical sensor (d) All of the above
- SaaS stands for:  
a) simplex as a service b) Simple as a Service c) Software as a service d) sensor as a service
- Which of the following is essential concept related to cloud?  
a) Reliability b) Productivity c) Optical sensor d) all of the above
- Which one of the following is invalid?  
(a) `_a = 1`    (b) `a = b, _a_ = 1`    (c) `str = 1`    (d) None of the mention
- If `a` is a dictionary with some key value pairs what will `a.popitem()` do?  
(a) Remove an arbitrary element (b) Remove all the key value pairs  
(c) Remove all the key value pair for the given as an argument (d) Invalid method for dictionary
- In which manner operators in python with the same precedence are evaluated?  
a) Left to right    b) right to left    c) top to bottom    d) bottom to top
- Which one of the following operations are used for comparison between two operands?  
a) Arithmetic operator    b) bitwise operator    c) relational operator d) logical operator
- \_\_\_\_\_ is a collection of related data.  
a) Information    b) Valuable information    c) database    d) Metadata
- DBMS stands for:  
a) data management storage    b) data management service  
c) database management storage d) database management system
- Which of the following is not a DDL command?  
a) UPDATE    b) TRUNCATE    c) ALTER    d) CREATE
- In ER diagram, an entity is represented by a:  
a) rectangle b) ellipse c) diamond d) circle
- You can ass a row SQL in a database with the help of:  
a) ADD    b) TRUNCATE    c) ALTER    d) MAKE

## **Q2. Fill in the blanks: -**

1. \_\_\_\_\_ command is used to create a new table into the database.
2. DQL stands for\_\_\_\_\_.
3. \_\_\_\_\_ statement is used to insert data in table within the database.
4. CREATE and ALTER are the statements of\_\_\_\_\_.
5. In relational model terminology, a column is nothing but\_\_\_\_\_.
6. The restriction placed on data is called\_\_\_\_\_.
7. In hierarchical model, data is organized into\_\_\_\_\_.
8. \_\_\_\_\_ returns a shallow copy of the list.
9. In relational model terminology, a table is nothing but\_\_\_\_\_.
10. \_\_\_\_\_ removes all items from the list.
11. A list is collection of\_\_\_\_\_ objects.
12. \_\_\_\_\_ returns a shallow copy of the list.
13. \_\_\_\_\_ results a printable string representation of a dictionary.
14. Bitwise AND is represented by\_\_\_\_\_ symbol.
15. Bitwise XOR is represented by\_\_\_\_\_ symbol.
16. In python \_\_\_\_\_ used to find the length of string.
17. A \_\_\_\_\_ a container for a value.
18. \_\_\_\_\_ is the most refined and restrictive service model.
19. The output of expression `22%3` is\_\_\_\_\_.

20. The 3V's of big data are \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_.
21. NLP stands for \_\_\_\_\_.
22. IaaS stands for \_\_\_\_\_.

**Q3. True or false: -**

1. The highest precedence in the expression in python is parentheses.
2. Variability is one of the three V's of big data.
3. Protected cloud is a type of cloud.
4. Nested if-else is allowed in python.
5. get() is a conventional method to access a value for a key.
6. Sort() is used to return a copy of list.
7. Insert() inserts an item at the defined index.
8. A key is a set of attributes used to identify the records.
9. Tuple is also known as field or attribute.
10. A primary key can have a number of duplicate keys.
11. A column with a NOT NULL constraint cannot have NULL values.
12. Optical character recognition(OCR) uses Natural Language Processing.
13. Most of the cloud architectures are built on the grid architecture.
14. DQL does not stand for data query language.
15. FROM clause is used to select some records from a table.
16. CHAR and VARCHAR are string data types.

**Q4. Give one word for the following: -**

- 1) What does IoT stand for?
- 2) This cloud Infrastructures is operated for the exclusive use of an organization.
- 3) Which command we used to add new element to the end of list.
- 4) An attribute composed of many other attributes is termed as\_\_\_\_\_.
- 5) What does DML stand for?
- 6) CREATE- Data definition language
1. INSERT - Data manipulation language
- 7) SELECT- Data query language
- 8) INT - Numerical Data type
2. Strong entity - single rectangle
- 9) Write name of clause.
- 10) This is a set of attributes which is used to identify records.
- 11) Write names of relational operators.
- 12) Write names of logical operators.
- 13) Write names of Variable scope.
- 14) Mention the name of four sensors.
- 15) IoT stands for.