

20. What is class?
 21. Write the difference between table constraint and column constraint.
 22. What is CSV file?
 23. Define Data Visualization.
 24. What will be the output of the following code?

```
Str1="School"
print(Str1*3)
```

PART - III

6x3=18

Note: Answer any six questions:**Question No. 33 is compulsory.**

25. Mention the characteristics of interface.
 26. Write a note on Asymptotic notation.
 27. Assume a = 97 and b = 35, Evaluate the following Logical expressions:
 (i) a>b or a==b
 (ii) a>b and a==b
 (iii) not a>b
 28. Write the basic rules for global keyword in Python.
 29. What will be the output of the given Python program?

```
a = "Computer"
b = "Science"
x = a[:4] + b[len(b)-3:]
print(x)
```


 30. What is the role of DBA?
 31. What are the applications of scripting languages?
 32. Write short note on: (a) Group by (b) Order by clause – in SQL.
 33. >>> a=(10,)
 >>> type(a)
 What will be returned by the above given type()?

PART - IV

5x5=25

Note: Answer all the questions.

34. (a) What is a List? Why list can be called as pairs? Explain with suitable example.
 (OR)
 (b) Discuss about linear search algorithm.
 35. (a) Discuss in detail about Tokens in Python.
 (OR)
 (b) Write a detail note on 'for' loop.
 36. (a) Explain the following built-in functions:
 (i) id() (ii) chr() (iii) round() (iv) type() (v) pow()
 (OR)
 (b) (i) What is slicing?
 (ii) What is the output for the following Python commands?

```
Str1 = "Thinking with Python"
(a) print(Str1[ : : 3])
(b) print(Str1[ : : -3])
(c) print(Str1[9:13])
```


 37. (a) What is Nested Tuple? Explain with an example.
 (OR)
 (b) Explain the types of data model.
 38. (a) Explain each word of the following command.

```
python <filename.py> -<i> <C++ filename without cpp extension>
```


 (OR)
 (b) Write the Python script to display all the records of the following table using fetchmany().

lcode	ItemName	Rate
1003	Scanner	10500
1004	Speaker	3000
1005	Printer	8000
1008	Monitor	15000
1010	Mouse	700