QB365 Student Learing Managemnet System
Exam Name: Pre Quarterly - Practice
Std: 12th Standard - Computer Science
Chapter: Unit 1 - Function - New, Unit 1 - Data Abstraction - New, Unit 1 - Scoping - New, Unit 1 - Algorithmic Strategies - New, Unit 2 - Python - Variables and Operators - New, Unit 2 - Control Structures - New, Unit 2 - Python Functions - New, Unit 3 - Strings and String Manipulation - New, Unit 3 - Lists, Tuples, Sets and Dictionary - New, Unit 4 - Database Concepts - New, Unit 4 - Structured Query Language (SQL) - New, Unit 4 - Python and CSV files - New, Unit 4 - Importing C+ + programs in Python - New, Unit 5 - Data manipulation through SQL - New, Unit 5 - Data visualization using pyplot : line chart, pie chart and bar chart - New

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Questions:

ANSWER THE FOLLOWING

1. Write the inference you get from X: = (78).
2. Differentiate constructors and selectors.
3. Differentiate interface and implementation.
4. What is a List? Give an example.
5. Why scope should be used for variable. State the reason.
6. What do you mean by Namespaces?
7. How Python represents the private and protected Access specifiers?
8. What is Insertion sort?
9. What are the different modes that can be used to test Python Program?
10. What are the different operators that can be used in Python?
11. Write short notes on Exponent data.
12. List the control structures in Python
13. Write is the syntax of if.else statement
14. What is meant by scope of variable? Mention its types
15. Write a program to print the following pattern

```
* * * * *
* * * *
* * *
* *
*
```

16. How will you delete a string in Python?
17. Write the syntax of creating a Tuple with n number of elements.
18. What is data consistency?
19. What is normalization?
20. Write a query that selects all students whose age is less than 18 in order wise.
21. Differentiate Unique and Primary Key constraint
22. Write the difference between table constraint and column constraint.
23. Which component of SQL lets insert values in tables and which lets to create a table?
24. What is the difference between SOL and MySQL?
25. Create a query to display the student table with students of age more than 18 with unique city.
26. What is CSV File?
27. Mention the two ways to read a CSV file using Python.
28. Mention the default modes of the File.
29. What is use of next() function?
30. How will you sort more than one column from a csv file? Give an example statement.
31. What is the theoretical difference between Scripting language and other programming language?
32. Differentiate compiler and interpreter.
33. Write the expansion of (i) SWIG (ii) MinGW
34. What is the use of modules?
35. What is the use of cd command. Give an example.
36. Mention the users who uses the Database
37. Which method is used to connect a database? Give an example.
38. What is the advantage of declaring a column as "INTEGER PRIMARY KEY"?
39. Write the command to populate record in a table. Give an example.

40. Which method is used to fetch all rows from the database table?
41. What is Data Visualization?
42. List the general types of data visualization.
43. List the types of Visualizations in Matplotlib.
44. How will you install Matplotlib?

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QUESTION BANK 365