

SACRED HEART MAT HR SEC SCHOOL, NEYVELI-2.**CLASS : 12 (CHAPTER 2,3,5,12,15)****MARK : 70****SUBJECT : COMPUTER SCIENCE****TIME : 3 HRS****I. CHOOSE THE CORRECT ANSWER:****1 X 15 = 15**

1. The data structure which is a mutable ordered sequence of elements is called
(A) Built in (B) List (C) Tuple (D) Derived data
2. Which of the following allow to name the various parts of a multi-item object?
(A) Tuples (B) Lists (C) Classes (D) quadrat
3. Which of the following function that facilitates the data abstraction?
(A) Constructors (B) Destructors (C) Selectors (D) a and c
4. Which scope is widest scope?
(A) local (B) enclosed (C) global (D) built in
5. Containers for mapping names of variables to objects is called _____.
(A) Scope (B) Mapping (C) Binding (D) Namespaces
6. Which members are accessible from outside the class?
(A) Public (B) Protected (C) Secured (D) Private
7. Which of the following character is used to give comments in python program?
(A) # (B) & (C) @ (D) \$
8. Expand IDLE _____.
(A) Integrated Design Learning Environment (B) Insert Development Learning Environment
(C) Integrated Develop Learning Environment (D) Integrated Development Learning Environment
9. _____ is the floor division operator in Python.
(A) / (B) % (C) %% (D) //
10. The clause used to sort data in a database _____.
(A) SORT BY (B) ORDER BY (C) GROUP BY (D) SELECT
11. What symbol is used for SELECT statement?
(A) σ (B) Π (C) X (D) Ω
12. The function that returns the largest value of the selected column is _____.
(A) MAX() (B) LARGE() (C) HIGH() (D) MAXIMUM()
13. Which of the following keyword avoid the duplicate?
(A) Distinct (B) Remove (C) Where (D) Group By
14. Which one of the following methods displays the specified number of records?
(A) fetchone() (B) fetchmany() (C) fetchall() (D) fetchsome()
15. Which method is used to create a connection with the database file?
(A) connect() (B) pass() (C) link() (D) create()

II. ANSWER THE FOLLOWING Q.NO 24 COMPULSORY (ANY 6)**6 X 2 = 12**

16. Differentiate constructors and selectors.
17. How Python represents the private and protected Access specifies?
18. Write short notes on Tokens.
19. Which component of SQL lets insert values in tables and which lets to create a table?
20. Write categories of SQL Commands.
21. Mention the users who uses the Database.
22. Write notes on MAX () and MIN () .

23. What is a scope?
24. Write the command to populate record in a table. Give an example.

III. ANSWER THE FOLLOWING Q.NO 33 COMPULSORY (ANY 6)

6 X 3 = 18

25. What are the different ways to access the elements of a list. Give example.
26. Define abstraction. What is abstract data types?
27. Define Global scope with an example.
28. Write any three characteristics of modules.
29. Explain Ternary operator with examples.
30. What are string literals?
31. What is a constraint? Write short note on Primary key constraint.
32. Mention the difference between fetch one () and fetch many ().
33. Write a SQL statement to modify the student table structure by adding a new field.

IV. ANSWER THE FOLLOWING IN DETAIL:

5 X 5 = 25

34. How will you facilitate data abstraction? Explain it with suitable example. (OR)
How will you access the multi-item? Explain with example.
35. Write any five benefits in using modular programming. (OR)
Write Five Characteristics of Modules.
36. Explain input () and print () functions with examples. (OR)
Discuss in detail about Tokens in Python.
37. Write the different types of constraints and their functions. (OR)
What are the components of SQL? Write the commands in each.
38. What is the use of HAVING clause? Give an example python script. (OR)
Write a Python script to create a table called ITEM with following specification. Add one record to the table.
- NAME OF THE DATABASE :- ABC
NAME OF THE TABLE :- ITEM
COLUMN NAME AND SPECIFICATION :-
ICODE :- INTEGER AND ACT AS PRIMARY KEY
ITEM NAME :- CHARACTER WITH LENGTH 25
RATE :- INTEGER
RECORD TO BE ADDED :- 1008, MONITOR, 15000

******* ALL THE BEST *******