

Class : 12Register
Number**FIRST REVISION EXAMINATION-JANUARY-2025**

Time Allowed : 3.00 Hours]

COMPUTER SCIENCE

[Max. Marks : 70

PART - I

15X1 = 15

Note : i) All the questions.

ii) Choose the most appropriate answer from the given four alternatives and write the option code and the corresponding answer.

- A Sequence of immutable object is called -----
(a) Derived Data (b) Built in (c) List (d) Tuple
- The process of binding a variable name with an object is called
(a) Scope (b) Mapping (c) Late Binding (d) Early binding
- The algorithm that yields expected output for a valid input is called as
(a) Algorithmic problem (b) Algorithmic coding
(c) Algorithmic outcomes (d) Algorithmic solutions
- This symbol is used to print more than one item on a single line
(a) Semicolon (b) Dollar (c) Comma (d) Colon
- What plays a vital role in python programming?
(a) Indentation (b) control (c) Statements (d) Pass
- In which arguments the correct positional order is passed to a function?
(a) Default (b) Required (c) Keyword (d) Variable
- Strings, in python
(a) Changable (b) Mutable (c) Immutable (d) Flexible
- If a = [10, 20, 30, 50]. then a [3] = 40 will result
(a) [10, 20, 30, 50, 40] (b) [10, 20, 30, 40, 50]
(c) [10, 20, 30, 50, 40, 40] (d) [10, 20, 30, 40]
- Functions defined inside a class
(a) Module (b) Attributes (c) Methods (d) Variable
- A table is known as
(a) Relation (b) Tuple (c) Attributes (d) Entity
- Which command lets to change the structure of the Table?
(a) SELECT (b) ORDER BY (c) MODIFY (d) ALTER
- CSV file is also known as
(a) Random file (b) Flat file (c) 3D file (d) String file
- Importing C++ program in a Python program is called
(a) Wrapping (b) Downloading
(c) Interconnecting (d) Parsing
- Which of the Following is called the Master table?
(a) Sqlite - master (b) Sql - master (c) Main - master (d) Master - Sql
- Which of the following feature is used to represent data and information graphically
(a) Data list (b) Data tuple
(c) Data Visualization (d) Classes and Objects

PART - II

II. Note: Answer any six questions. Question number 24 is compulsory.

6x2=12

- What is Subroutine?
- What do you mean by Namespaces?
- What is literals? Explain the types of Literals?

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19. What is Set in Python?
20. What is Data consistency?
21. Differentiate Unique and Primary Key?
22. Mention the two ways to read a CSV file using Python?
23. Which method is Used to connect a Database? give an Example?
24. Write the output of the Following Python coding.

```
Str 1 = "ABCD"
```

```
str 2 ="ate"
```

```
for i in str 1:
```

```
Print ((i + str 2), end = '\n')
```

PART - III

III. Answer any six questions. Question number 33 is compulsory.

6x3=18

25. What are the different ways to access the elements of List. Give example.
26. Write any Three benefits of Modular Programming.
27. Write the Syntax of While loop.
28. Differentiate Ceil () and Floor () Function.
29. What are the difference between List and Dictionary?
30. What is the role of DBA?
31. What are the Applications of Scripting Language?
32. Why Strlen() is called Pure Function?
33. How to define Constructor and Destructor in Python.

PART - IV

IV. Note: Answer all questions.

5x5=25

34. (a) Discuss about Linear Search Algorithm with Example?

(OR)

- (b) Explain Input () and Print () functions with examples.

35. (a) Write an Detail note on for Loop.

(OR)

- (b) i) What is Slicing?

- ii) What is the Output for the Following Python Commands?

```
str = "Thinking with Python"
```

```
i) Print (str [:3])
```

```
ii) Print (str [::-3])
```

```
iii) Print (str[9:13])
```

36. (a) Explain the Characteristics of RDBMS?

(OR)

- (b) Differentiate Excel File and CSV File.

37. (a) Explain the Different types of Scope Variables.

(OR)

- (b) Write about various buttons in a Matplotlib window.

38. (a) Write any Five Features of Python.

(OR)

- (b) Explain brief about SQLite and the Steps used to use it?

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