

# FIRST REVISION TEST - 2025



Standard XII

Reg.No.

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## COMPUTER SCIENCE

Time : 3.00 hrs

Part - I

Marks : 70

15 x 1 = 15

I. Choose the correct answer:

1. Which of the following is a distinct syntactic block?  
(a) Subroutines      b) Functions      c) Definition      d) Modules
2. Binding two values together into one can be considered as  
a) Pair      b) Triplet      c) Single      d) Quadrat
3. Containers for mapping names of variables to objects is called  
a) Scope      b) Mapping      c) Binding      d) Namespaces
4. Which of the following is not a stable sorting algorithm?  
a) Insertion sort      b) Selection sort      c) Bubble sort      d) Merge sort
5. Which of the following character is used to give comments in python programming?  
a) #      b) &      c) @      d) \$
6. What plays a vital role in python programming?  
a) Statements      b) Control      c) Structure      d) Indentation
7. A function which calls itself is called as  
a) Lambda      b) Recursion      c) Function      d) define
8. The subscript of a string maybe  
a) Positive      b) Negative      c) Both (a) and (b)      d) Either (a) or (b)
9. Pick odd one in connection with collection of data type  
a) List      b) Tuple      c) Dictionary      d) Loop
10. A private class variable is prefixed with  
a) \_\_      b) &&      c) ##      d) \*\*
11. Relational Data base model was first proposed by  
a) E.F. Codd      b) E.E. Codd      c) E.F. Cadd      d) E.F. Codder
12. The command is used to skip a row in a CSV file is  
a) next()      b) Skip()      c) Omit()      d) bounce()
13. Queries can be generated using  
a) SELECT      b) ORDER BY      c) MODIFY      d) ALTER
14. The function that returns the largest value of the selected column is  
a) MAX()      b) LARGE()      c) HIGH      d) MAXIMUM()
15. Identify the package manager for python packages or modules.  
a) Matplotlib      b) PIP      c) plt.show()      d) python package

Part - II

6 x 2 = 12

II. Answer any 6 questions. (Q.No.24 is compulsory)

16. Write the reference you get from X: = (78).
17. What is Mapping?



18. What is literal? Types of literal?
19. What is base condition in recursive function.
20. Differentiate del with remove() function of list.
21. What is data Consistency?
22. Mention the two ways to read a CSV file using python.
23. Define Data Visualization.
24. What will be the value of x in the following python code?

```
List1=[2,4,6[ 1,3,5]]
```

```
X = len(list1).
```

### Part - III

#### III. Answer any 6 questions. (Q.No.33 is compulsory)

6 x 3 = 18

25. Differentiate Concrete data type and abstract data type.
26. List the characteristics of an algorithm.
27. Write a short note on (a) Capitalize() and Swapcase() with example.
28. What are class members > How do you define it?
29. Write the use of Savepoint command with example.
30. What is sys.argv? What does it contain?
31. What is Sqlite? What is its advantage?
32. What are the difference between list and dictionary?
33. Write a python program to read a CSV file with default delimiter comma (,)

### Part - IV

#### IV. Answer all the questions.

5 x 5 = 25

- 34 a) Explain the types of Scopes for variables or LEGB rule with example.  
(OR)  
b) What is Binary Search? Discuss with example?
35. a) Write a program to display all 3 digit odd numbers.  
(OR)  
b) Explain the different types of function with an example.
- 36 a) Explain the different set operations supported by python with suitable example  
(OR)  
b) Differentiate DBMS and RDBMS.
37. a) What are the different types of constraints and their functions.  
(OR)  
b) Write the different methods to read a file in Python.
38. a) Write the syntax for getopt() and explain its arguments and return values.  
(OR)  
b) Explain in detail the types of pyplots using Matplotlib.

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