

A**SECOND REVISION TEST - 2025**

Standard -XII

COMPUTER SCIENCE

Time: 3.00 hrs

Marks:70

PART - A

I Choose the correct answer:

15x1=15

1. The function which cause side effects to the arguments passed are called
a) impure function b) partial function c) Dynamic function d) pure function
2. Which of the following allow to name the various parts of a multi-item object?
a) Tuples b) Lists c) Classes d) quadrats
3. Which of the following security technique that regulates who can use resources in a computing environment?
a) password b) authentication c) Access control d) certification
4. Which of the following character is used to give comments in python program?
a) # b) & c) @ d) \$
5. What is the output of the following snippet
T = 1
while T :
 print (True)
 break
a) False b) True c) 0 d) no output
6. Which function is called anonymous un-named function
a) Lambda b) Recursion c) Function d) define
7. What will be the output of the following code?
str1 = "Chennai Schools"
str1(7) = "-"
a) Chennai-Schools b) Chenna - School c) Type error d) Chennai
8. The key in python, dictionary is specified by
a) = b) ; c) + d) :
9. Which of the following is the private class variable?
a) --num b) ##num c) \$\$num d) &&num
10. Who developed ER model?
a) Chen b) EF Codd c) Chend d) Chand
11. The clause used to sort data in a database.
a) SORT BY b) ORDER BY c) GROUP BY d) SELECT
12. Which of the following mode is used when dealing with non-text files like image or exe files?
a) Text mode b) Binary mode c) xls mode d) CSV mode
13. Importing c++ program in a python program is called
a) wrapping b) Downloading c) Interconnecting d) passing
14. Which of the following executes the SQL commands to perform some action?
a) Execute () b) Key () c) cursor () d) run ()
15. Identify the right type of chart using the following hint.
Hint 1 : This chart is often used to visualize a trend in data over intervals of time.
Hint 2 : The line in this type of chart is often drawn chronologically.
a) Line chart b) Bar chart c) pie chart d) scatter plot

(2)

PART - B

XII Computer Science

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

6x2=12

16. Write the inference you get from x:=(78).
17. What is a pair? Give an example.
18. What is sorting?
19. Write the syntax of if...else statement.
20. What are the main advantages of function?
21. Do you modify a string in python?
22. What is class?
23. Differentiate unique and primary key constraints.
24. What will be the output of the following code?

```
list=[x**2 for x in range (s)]
print(list)
```

PART - C

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

6x3=18

25. Differentiate concrete data type and abstract data type.
26. Explain Ternary operator with example.
27. List the differences between break and continue statements.
28. Write a note about count() function in python.
29. Find the error in the following program to get the given output?

Class Fruits:

```
def __init__(self, f1,f2):
    self.f1=f1
    self.f2=f2
def display(self):
    print("Fruit 1=%S, Fruit 2=%S" %(self.f1,self.f2))
F = Fruits('Apple', 'Mango')
del F.display
F.display
```

OUTPUT:

Fruit 1 = Apple, Fruit 2 = Mango

30. Explain object model with example.
31. Mention the different between fetchone() and fetchmany().
32. Write any three uses of data visualization.
33. Write the use of COMMIT command with an example.

PART - D

IV Answer all the questions.

5x5=25

34. a) Write any five benefits in using modular programming. (OR)
- b) What is Linear search? Discuss with example.
35. a) Write a program to display multiplication table for a given number. (OR)
- b) Explain the string operators in python with an example.
36. a) What are the different ways to insert an element in a list. Explain with suitable example. (OR)
- b) Explain the different types of constraints and their functions.
37. a) Tabulate the different file modes with its meaning. (OR)
- b) Write in brief about SQLite and steps used to use it.
38. a) What is the purpose of sys,os,getopt module in Python explain. (OR)
- b) Explain in detail the type of python pyplots used matplotlib.

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