

SECOND REVISION TEST - 2024	12 - STD	
COMPUTER SCIENCE	Marks 70	Time 3.00 Hrs.

YouTube/ Akwa Academy

15 x 1 = 15

I. Answer all the questions.

1. The function which will give exact result when same arguments are passed are called
a) Pure functions b) Impure functions c) Partial functions d) Dynamic functions
2. The data structure which is a mutable ordered sequence of elements is called
a) Built in b) List c) Tuple d) Derived data
3. Containers for mapping names of variables to objects is called
a) Scope b) Mapping c) Binding d) Namespaces
4. Two main measures for the efficiency of an algorithm are
a) Processor and memory b) Complexity and capacity
c) Time and space d) Data and space
5. Which of the following character is used to give comments in Python program?
a) # b) & c) @ d) \$
6. Which statement is generally used as a placeholder?
a) continue b) break c) pass d) goto
7. While defining a function which of the following symbol is used
a) ; (semicolon) b) . (dot) c) : (colon) d) \$ (dollar)
8. Class members are accessed through which operator?
a) & b) . c) # d) %
9. What symbol is used for SELECT statement?
a) σ b) II c) X d) Ω
10. The command used to skip a row in a CSV file is
a) next () b) skip () c) omit () d) bounce()
11. Which of the following is an organized collection of data?
a) Records b) Information c) DBMS d) Database
12. SQLite falls under which database system?
a) Flat file database system b) Relational database system
c) Hierarchical database system d) Object oriented database system
13. is a collection of resources assembled to create a single unified visual display.
a) Interface b) Dashboard c) Objects d) Graphics
14. What is the output of the following :

```
str 1 = "Save Earth"
Print (strlen(str 1))
```


a) 9 b) 10 c) 8 d) None of these
15. Which of the following removes the element from the list?
a) del b) remove c) pop() d) All of these.

II. Answer any six questions. Q.No.24 is compulsory

6 x 2 = 12

16. Differentiate interface and implementaion.
17. What do you mean by Namesapces?
18. Write short note on tokens.
19. List the control structures in python.
20. What is an Algorithm?
21. List some examples of RDBMS.
22. What is CSV file?
23. Write the expansion of (i) SWIG (ii) MinGW
24. Write the syntax of CREATE TABLE command.

III. Answer any six questions. Q.No.33 is compulsory

6 x 3 = 18

25. Write a note on Asymptotic notation.
26. List the characteristics of an algorithm.
27. Write the syntex of Nested if.... elseif.....else statement with example..
28. Write a short note about *sort()*
29. How to define constructor and destructor in Python?
30. Differentiate PYTHON and C++.
31. What is SQLite? What is it advantage?
32. Write any three uses of data visualization.
33. What will be the output of the following program?

```

for word in "Jump statement"
    if word == "e"
        break
Print (word, end = ',')

```

IV. Answer all the questions

5 x 5 = 25

34. a) What are called parameters and write a note on
 - i) parameter without Type ii) Parameter with Type (OR)
- b) Write any Five characteristics of Modules.
35. a) Explain input () and print () functions with example. (OR)
- b) Explain the scope of variable in Python with an example.
36. a) Explain about string operators in Python with suitable example. (OR)
- b) Explain the different set operations supported by Python with suitable example.
37. a) Explain the different types of relationship mapping. (OR)
- b) Differentiate Excel file and CSV file.
38. a) Explain each word of the following command.


```
Python <filename.py> - <i> <C++ filename without Cpp extension> (OR)
```
- b) Explain the purpose of the following functions :
 - a) plt.xlabel b) plt.ylabel c) plt.title d) plt.legend() e) plt.show()