

# YouTube/Akwa Academy

**12 - STD**
**FIRST REVISION TEST - 2024**

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Time : 3.00 Hrs

**COMPUTER SCIENCE**

Marks : 70

**PART - I**

(i) Answer all the questions. Choose the correct answer:

**15×1=15**

1. The small sections of code that are used to perform a particular task is called:
 

(a) Pseudo code	(b) Subroutines	(c) Modules	(d) Files
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2. Which of the following is not a keyword in Python ?
 

(a) continue	(b) operator	(c) operator	(d) while
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3. members are accessible from outside the class.
 

(a) Secured members	(b) Public members	(c) Private members	(d) Protected members
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4. The number of important control structures in Python:
 

(a) 5	(b) 3	(c) 6	(d) 4
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5. Class members are accessed through operator.
 

(a) #	(b) &	(c) %	(d) .
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6. The database Model which represents the Parent-Child relationship:
 

(a) Hierarchical	(b) Relational	(c) Object	(d) Network
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7. The operator which is used for concatenation ?
 

(a)	(b) +	(c) =	(d) &
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8. Importing C++ program in a Python program is called .....
 

(a) Interconnecting	(b) Wrapping	(c) Parsing	(d) Downloading
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9. The datatype whose representation is known are called:
 

(a) Concrete datatype	(b) Built-in datatype
(c) Abstract datatype	(d) Derived datatype
10. A Function which calls itself, is called as:
 

(a) Lambda	(b) Built-in	(c) Return statement	(d) Recursion
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11. The mode which is used when dealing with non-text files like image or exe files:
 

(a) xls mode	(b) Text mode	(c) csv mode	(d) Binary mode
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12. In dynamic programming, the technique of storing the previously calculated values is called:
 

(a) Memoization	(b) Saving value property
(c) Mapping	(d) Storing value property
13. Let set A={3, 6, 9}, set B={1, 3, 9}.  
The result of the following snippet Print (set A set B)
 

(a) {1}	(b) {3, 6, 9, 1, 3, 9}	(c) {1, 3, 6, 9}	(d) {3, 9}
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14. .... command is used to remove table from the database.
 

(a) DELETE ALL	(b) DROP TABLE	(c) ALTER TABLE	(d) DELETE
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15. The function that returns the largest value of the selected column is:
 

(a) HIGH ( )	(b) MAX ( )	(c) MAXIMUM ( )	(d) LARGE ( )
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**PART - II**

Note: Answer any six questions Question No. 24 is compulsory.

**6 x 2 = 12**

16. What is Data Manipulation Language ?
17. Mention the default modes of the File.
18. What is abstract data type?
19. What is a scope ?



20. How will you delete a string in Python ?
21. Write note on range () in loop.
22. What is class ?
23. List the general types of data visualization.
24. What will be output of the following Python code ?

```
Squares = [x**2 for x in range(1,11)]
print (squares)
```

## PART - III

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Note: Answer any six questions. Question No. 33 is compulsory.

6 x 3 = 18

25. Explain Ternary operator with an example.
26. Write the syntax of while loop.
27. Differentiate ceil() and floor () function.
28. Differentiate pure and impure function..
29. What do you understand by Dynamic Programming?
30. Write a Python program to display the given pattern.

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COMPUTER
COMPUTE
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```

31. Write about the steps of Python program executing C++ program using control statement.
32. What is the difference between csv reader ( ) method and DictReader ( ) class ?
33. Differentiate fetchone ( ) and fetchmany ( ).

## PART - IV

Note: Answer All the questions.

5 x 5 = 25

34. (a) Discuss in details about Token in Python.  
OR  
(b) Explain the following built-in function.  
(i) id ( )      (ii) chr ( )      (iii) round ( )      (iv) type ( )      (v) pow ( )
35. (a) Explain the types of scopes for variable with example..  
OR  
(b) Discuss about linear search algorithm.
36. (a) Explain about differences between Histogram and Bar Graph.  
OR  
(b) Explain 'continue' statement with an example
37. (a) What is Nested Tuple? Explain with an example.  
OR  
(b) Explain the different types of relationship mapping.
38. (a) Write the syntax for getopt ( ) and explain its arguments and return values.  
OR  
(b) Differentiate DBMS and RDBMS.