

**A****FIRST REVISION EXAMINATION - 2024**

Standard - XII

Time: 3.00 hrs

**COMPUTER SCIENCE**

Marks:70

Part - A

I. Choose the correct answer.

15x1=15

1. Let listn = [3, 6, 9, 12, 15], then print (listn[-2]) will give the result \_\_\_\_\_  
a) 6                      b) 12                      c) 9                      d) 15
2. A tuple is also known as \_\_\_\_\_  
a) table                      b) row                      c) attribute                      d) field
3. Which command is used to change the structure of the table?  
a) SELECT                      b) MODIFY                      c) ALTER                      d) ORDER BY
4. The typical amount of indentation for python is \_\_\_\_\_ spaces  
a) 7                      b) 4                      c) 8                      d) 3
5. Which statement is generally used as placeholder?  
a) continue                      b) break                      c) pass                      d) goto
6. \_\_\_\_\_ keyword is used to exit a function block.  
a) def                      b) return                      c) break                      d) goto
7. Which one of the following is a pure function?  
a) str len ()                      b) Random                      c) Date                      d) All of these
8. To process of subdividing a computer program into separate subprogram is called \_\_\_\_\_ programming.  
a) modular                      b) sequential                      c) structured                      d) oop
9. To execute python script press \_\_\_\_\_ key  
a) F2                      b) F5                      c) F7                      d) F9
10. By default "skip initial space" has a value \_\_\_\_\_  
a) true                      b) false                      c) 4                      d) 7
11. Making some changes in the data of the existing file or adding more data is called \_\_\_\_\_  
a) Editing                      b) Appending                      c) Modification                      d) Correction
12. Which modules allows python to interface with the windows operating system?  
a) os                      b) sys                      c) csv                      d) getopt
13. Which clause avoid the duplicate?  
a) DISTINCT                      b) REMOVE                      c) WHERE                      d) GROUP BY
14. \_\_\_\_\_ is a management software used for installing python package.  
a) matplotlib                      b) pip                      c) pyplot                      d) plt.show()
15. Creating object to a class is known as \_\_\_\_\_  
a) construction                      b) instantiation                      c) initialisation                      d) creation

(2)

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## PART - B

II Answer any six from the following questions.  
Q.No. 24 is compulsory.

6x2=12

16. What is subroutine?
17. What is a pair? Give example.
18. What is a token? List the tokens
19. What is a loop? What are the types of loops?
20. What is base condition in recursive function?
21. How will you create constructor in python? Give example.
22. What is normalisation?
23. What is the use of write row () and write rows () methods?
24. Differentiate Compiler and Interpreter.

## PART - C

III. Note: Answer any six of the following. Q.No. 33 is compulsory.

6x3=18

25. Define Access Control.
26. Write note on Control structures.
27. List the characteristics of an algorithm.
28. Differentiate break and continue
29. What is composition in functions?
30. Explain Symmetric difference with example.
31. Explain main (sys.argv[1:])
32. Explain the following functions  
(i) plt.tiite() (ii) plt show()

33. Write the output:

```
Str 1 = "ABCDE"
Str 2 = "ate"
for i in Str 1 :
    print ((i+str 2), end='t')
```

## PART - D

IV. Answer all the questions.

5x5=25

34. a) Explain the different operators in relational algebra with suitable examples.

(OR)

- b) How will you facilitate data abstraction?

(3)

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35. a) Describe in detail the Procedure for script mode Programming.

(OR)

b) Explain the concept of dynamic Programming.

36. a) What is the use of Having clause. Give an example Python script.

(OR)

b) Write a detailed note on if statments Give example.

37. a) Explain each word of the following command.

python<filename.py> <i><C++filename without cpp extension>

(OR)

b) Explain the different set operations supported by Pyhthon.

38. a) Explain Recursive function with example.

(OR)

b) Consider the following employee table. Write SQL Commands for the questions. (i) to (iv)

Emp Code	Name	Desig	Pay	Allowance
S1001	Hariharan	Supervisor	29000	12000
P1002	Shaji	Operator.	10000	5500
P1003	Prasad	Operator	12000	6500
C1004	Manjima	Clerk	8000	4500
M1005	Ratheesh	Mechanic	20000	7000

(i) To display the details of all employees in descending order of pay.

(ii) To display the employees whose allowance is between 5000 and 7000.

(iii) To remove the employees who are mechanic.

(iv) To add a new row.

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