

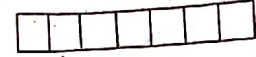
FRSL

FIRST REVISION TEST - 2024

12 - Std

Time : 3.00 Hrs

COMPUTER SCIENCE



Marks : 70

PART - I

15 x 1 = 15

Choose it:

- The sections of code that are used to perform a particular task is called.....
a) Subroutines b) Functions c) Pseudocode d) Modules
- A sequence of immutable object is called
a) Built in b) List c) Tuple d) Derived data
- Containers for mapping names of variables to objects is called
a) Binding b) Scope c) Name spaces d) Mapping
- 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
- Which operator is also called as comparative operator.
a) Logical operator b) Arithmetic operator
c) Assignment operator d) Relational operator
- 'else' can be considered to be short form of
a) elsi if b) nested if c) if elif d) if else
- Which function is called as anonymous un - named function
a) Recursion b) Lambda c) Define d) Built - in
- Which of the following is the output of the following Python code?
str 1 = "Tamilnadu"
print (str1 [: : -1])
a) Tamilnadu b) Tmlau c) udanlimat d) udanlimat
- Let List 1 = [2, 4, 6, 8, 10] then print (list 1 [-2]) will result in
a) 10 b) 8 c) 4 d) 6
- Which of the following method is used to as destructor?
a) --rem-- b) --init -- c) --del-- d) --det--
- Who is called father of relational database from the following?
a) Chrisdate b) Hugh Darween
c) Edger Frank Codd d) Edgar Frank Cadd
- The clause used to sort data in a database
a) GROUP BY b) SORT BY c) SELECT d) ORDER BY
- Which of the following is a string used to terminate lines produced by writer (.) method of CSV module?
a) Line terminator
b) Enter key c) Form feed d) Data terminator
- A frame work for interfacing python and C++ is
a) Cython b) Ctypes c) Boost d) SWIG
- SQ lite falls under which database system?
a) Hierarchical Database System b) Flat file Database System.
c) object oriented Database System d) Relational Database System.

PART - II

Answer Any Six. Q.NO. 24 is Compulsory:

6 x 2 = 12

- What is name space?
- What is access control?

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18. What is searching? Write its types.
19. What are the different modes that can be used to test python program?
20. Write the syntax of creating a tuple with 'n' number of elements.
21. What is the difference between SQL and MYSQL.
22. What is the use of next () function?
23. List the types of visualizations in matplotlib.
24. What will be the value of x in following python code?
List = (2, 4, 6 [, 3, 5]) x = len (list 1)

PART - III

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

6 x 3 = 18

25. List the characteristics of an algorithm.
26. List the difference between break and continue statement.
27. Define Global scope with an example.
28. What is Min Gw? What is its use?
29. Write any three DDL commands.
30. What is the use of 'where clause'? Give a python statement using the where clause.
31. Differentiate pure and impure function.
32. Differentiate cell () and floor () function.
33. Write a program to get the following output.

A

A B

A B C

A B C D

A B C D E

PART-IV

Answer all questions.

5 x 5 = 25

34. a) i) What are called parameters?
ii) Write a note On parameter without type and parameter with type.
(OR)
35. b) Explain LEGB rule with example.
a) Explain Bubble sort algorithm with example.
(OR)
36. b) What is the purpose of sys, os, getopt module in python. Example.
a) Discuss in detail about Tokens in Python.
(OR)
37. b) What are the key differences between histogram and Bar graph.
a) Explain the following built - in - functions.
i) id () ii) chr () iii) round () iv) type () v) pow ()
b) Differentiate DBMS and RDBMS.
38. a) Explain the different SET operators supported by python with suitable example. (OR) b) Differentiate excel file and CSV file.

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