

MAYILADUTHURAI DISTRICT**MAYILADUTHURAI DISTRICT 12 COMPUTER SCIENCE REVISION TEST - 4A SS**

12th Standard
Computer Science

Date : 21-Feb-23

Exam Time : 03:00:00 Hrs

Reg.No. :

Total Marks : 70

15 x 1 = 15

PART-A

CHOOSE THE CORRECT ANSWER

- 1) The functions which will give exact result when same arguments are passed are called
(a) Impure functions (b) Partial Functions (c) Dynamic Functions (d) Pure functions
- 2) Bundling two values together into one can be considered as
(a) Pair (b) Triplet (c) single (d) quadrat
- 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) The Θ notation in asymptotic evaluation represents
(a) Base case (b) Average case (c) Worst case (d) NULL case
- 5) Which of the following is not Logical operator?
(a) and (b) or (c) not (d) Assignment
- 6) The condition in the if statement should be in the form of
(a) Arithmetic or Relational expression (b) Arithmetic or Logical expression
(c) Relational or Logical expression (d) Arithmetic
- 7) Which of the following keyword is used to define the function testpython(): ?
(a) define (b) pass (c) def (d) while
- 8) Which of the following formatting character is used to print exponential notation in upper case?
(a) %e (b) %E (c) %g (d) %n
- 9) Let list1=[2,4,6,8,10], then print(List1[-2]) will result in
(a) 10 (b) 8 (c) 4 (d) 6
- 10) A private class variable is prefixed with
(a) __ (b) && (c) ## (d) **
- 11) What symbol is used for SELECT statement?
(a) σ (b) Π (c) X (d) Ω
- 12) 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
- 13) A framework for interfacing Python and C++ is
(a) Ctypes (b) SWIG (c) Cython (d) Boost
- 14) Which of the following function retrieves the average of a selected column of rows in a table?
(a) Add() (b) SUM() (c) AVG() (d) AVERAGE()
- 15) Identify the package manager for Python packages, or modules.
(a) Matplotlib (b) PIP (c) plt.show() (d) python package

PART - B

6 x 2 = 12

ANSWER ANY SIX OF THE FOLLOWING

Q.NO24 IS COMPULSORY

- 16) Write the inference you get from X := (78).
- 17) What do you mean by Namespaces?
- 18) What are the different operators that can be used in Python?
- 19) Write the different types of function.

- 20) What will be the value of x in following python code?
 List 1 = [2, 4, 6[1, 3, 5]]
 x = len (List 1)
- 21) What is normalization?
- 22) What is CSV File?
- 23) Which method is used to connect a database? Give an example.
- 24) Name any four keywords in Python.

PART - C

6 x 3 = 18

ANSWER ANY SIX OF THE FOLLOWING

Q.NO.33 IS COMPULSORY

- 25) Identify Which of the following are List, Tuple and class ?
 (a) arr [1, 2, 3, 4]
 (b) arr (1, 2, 3, 4)
 (c) student [rno, name, mark]
 (d) day= ('sun', 'mon', 'tue', 'wed')
 (e) x= [2, 5, 6.5, [5, 6], 8.2]
 (f) employee [eno, ename, esal, eaddress]
- 26) Write a note on Asymptotic notation.
- 27) Write note on if..else structure.
- 28) Write a note about count() function in python.
- 29) How to define constructor and destructor in Python?
- 30) Write any three DDL commands.
- 31) What is MinGW? What is its use?
- 32) Write any three uses of data visualization.
- 33) How will you ensure the principle of data encapsulation in object - oriented programming?

PART-D

ANSWER THE FOLLOWING QUESTIONS IN DETAIL

5X5=25

- 34) a) Explain with example Pure and impure functions.
 (OR)
 b) What is a List? Why List can be called as Pairs. Explain with suitable example.
- 35) a) Write any Five Characteristics of Modules.
 (OR)
 b) Discuss about Linear search algorithm.
- 36) a) Discuss in detail about Tokens in Python.
 (OR)
 b) Write a program to display multiplication table for a given number.
- 37) a) Explain the following built-in functions.
 (a) id ()
 (b) chr ()
 (c) round ()
 (d) type ()
 (e) pow ()
 (OR)
 b) What is the purpose of range()? Explain with an example.
- 38) a) Differentiate DBMS and RDBMS.
 (OR)
 b) Explain the purpose of the following functions:
 a. plt.xlabel
 b. plt.ylabel
 c. plt.title
 d. plt.legend()
 e. plt.show()

ALL THE BEST

www.Padasalai.Net