

Tsi12CS

Tenkasi District Common Examinations
 Third Revision Test - February 2023



21-02-23.

Standard 12**COMPUTER SCIENCE**

Time Allowed: 3.00 Hours

Maximum Marks: 70

Part - A

Choose the most appropriate answer from the given four alternatives and write the option code and the corresponding answer: **15×1=15**

- 1) The variables in a function definition are called as
 a) Parameters b) Variables c) Arguments d) Subroutines
- 2) Which of the following allow to name the various parts of a multi-item object?
 a) Tuples b) Lists c) Quadrats d) Classes
- 3) Which of the following refers to the visibility of variables in one part of a program to another part of a same program?
 a) Accessibility b) Address c) Memory d) Scope
- 4) Which of the following is not a stable sorting algorithm?
 a) Selection b) Bubble c) Insertion d) Merge
- 5) Who developed python?
 a) Tim Perners Lee b) Charless Babbage
 c) Dennis. M. Ritche d) Guido Van Rossum
- 6) What plays a vital role in python programming?
 a) Control b) Indentation c) Structure d) Statements
- 7) Which of the following keyword is used to exit a function block?
 a) define b) def c) return d) end
- 8) Which function is most important to format the strings?
 a) format() b) def c) string() d) array()
- 9) What is the use of type() function in python?
 a) To create a list
 b) To create a tuple
 c) To know the data type of python object
 d) To know the type of an element in tuple
- 10) Functions defined inside a class
 a) Module b) Section c) Function d) Methods
- 11) Which database model represents Parant-child relationship?
 a) Hierarchical b) Network c) Object d) Relational
- 12) The command to delete a table including structure is
 a) DROP ALL b) DELETE ALL c) DELETE TABLE d) DROP
- 13) Which of the following module is provided by python to do several operations on the csv files?
 a) OS b) next() c) xls d) csv
- 14) Any changes made in the values of the record should be saved by the command
 a) commit b) save c) save as d) execute ()
- 15) Importing C++ program in a python program is called as
 a) Interconnecting b) Parsing
 c) Downloading d) Wrapping

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Part - B

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

6×2=12

- 16) Mention the characteristics of Interface.
- 17) What is a scope?
- 18) What are the different operators that can be used in python?
- 19) What are the main advantages of function?
- 20) What is normalization?
- 21) How will you sort more than one column from a csv file?
- 22) What is the value of X in the following python code?

```
list 1 = [2, 4, 6 [1, 3, 5]]
X = len (list 1)
```
- 23) What is the use of modulus?
- 24) How will you install matplotlib?

Part - C

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

6×3=18

- 25) Differentiate concrete data type and abstract data type.
- 26) Discuss about Algorithmic complexity and its types.
- 27) Write the syntax of if....elif.....else statement.
- 28) Write a short note on sort().
- 29) Write a short note about private and public data members in python.
- 30) Explain the DML commands.
- 31) What is MinGW? What is its use?
- 32) What is SQLite? What is its advantage?
- 33) Write the output of the following program.

```
str1 = "welcome"
str2 = "to school"
str3 = str1 [:2] + str2 [len(str2)-2:]
print(str 3)
```

SIVAKUMAR, M.
 Sri Ram Matric
 HSS.
 Vallam-622809.
 Tenkasi Dist.

Part - D

Answer all the questions:

5×5=25

- 34) a) How will you facilitate data abstraction? Explain it with suitable example.
(OR)
 b) Explain the characteristic of an algorithm.
- 35) a) Explain in detail about Tokens in Python.
(OR)
 b) Explain the different types of function with an example.
- 36) a) What are the different ways to insert an element in a list? Explain with example.
(OR)
 b) How will you define constructor and destructor in python? Explain with example.
- 37) a) Differentiate DBMS and RDBMS.
(OR)
 b) Write the different types of constraints and their functions.
- 38) a) Tabulate the different file mode objects in python with its meaning.
(OR)
 b) Write the features of python over C++.
