Tsi12CS

Tenkasi District Common Examinations
Second Revision Test - January 2023

25-01-2023 **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 functions which cause side effects to the arguments passed are called as
   a) Dynamic function
   b) Pure function
   c) Impure function
   d) Partial function

2) The data type whose representation is unknown are called as
   a) Abstract data type
   b) Derived data type
   c) Concrete data type
   d) Built in data type

3) Which of the following is used in programming language to map the variable and object?
   a) =
   b) ==
   c) ::
   d) :=

4) _____ is a finite set of instructions to accomplish a particular task.
   a) Flow chart
   b) Flow
   c) Algorithm
   d) Program

5) Which special character is called as Escape sequence in python?
   a) /
   b) \
   c) #
   d) >>>

6) How many important control structures are there in python?
   a) 4
   b) 5
   c) 3
   d) 6

7) In which arguments the correct positional order is passed to a function?
   a) Default
   b) Required
   c) Keyword
   d) Variable length

8) Which of the following formatting character is used to print exponential notation in uppercase?
   a) %g
   b) %n
   c) %e
   d) %s

9) Let Set A = {3, 6, 9}, Set B = {1, 3, 9} what will be the result of the following snippet?
   a) {3, 9}
   b) {1, 3, 6, 9}
   c) {1}
   d) {3, 6, 9, 1, 3, 9}

10) Which of the following method is used as constructor?
    a) ....del....
    b) ....object....
    c) ....init....
    d) ....func....

11) Which of the following is an RDBMS?
    a) Dbase
    b) Foxpro
    c) Microsoft Access
    d) SQLite

12) Which command lets to change the structure of the table?
    a) ALTER
    b) MODIFY
    c) ORDER BY
    d) SELECT

13) Which of the following is a string used to terminate lines produced by writer () method of csv module?
    a) Data Terminator
    b) Form feed
    c) Enter key
    d) Line Terminator

14) Which of the following is a control structure used to traverse and fetch the records of the database?
    a) Key
    b) Cursor
    c) Insertion point
    d) Pointer

15) What does --name-- contains?
    a) OS module name
    b) C++ filename
    c) main() name
    d) python filename

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Part - B

Answer any six questions. Q.No. 24 is compulsory: **6×2=12**

16) What is a List? Give an example.
17) Define Pseudo code.
18) Write the syntax of if.....else statement.
19) How will you create constructor in python?
20) Write the difference between table constraint and column constraint.
21) What is the theorectical differene between scripting language and other programming language?
22) What is the advantage of declaring a column as 'Integer primary key'?
23) Differentiate del with remove() function of list.
24) What is the output of the following code?

```
str = "Computer Science"
print (str [0 : 7])
```

Part - C

Answer any six questions. Q.No.32 is compulsory: **6×3=18**

25) Differentiate pure and impure function.
26) Define Global scope with example.
27) Write a note on Escape sequence.
28) What are the points to be noted while defining a function?
29) What are the difference between Lists and Dictionary?
30) What is the roll of DBA?
31) What is the difference between the write mode and append mode?
32) What are the applications of scripting language?
33) What is the output of following code?

```
list = [2** x for x in range (5)]
print (list)
```

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Part - D

Answer all the questions: **5×5=25**

34) a) Write the benefits in using modular programming.
   (OR)
   b) Explain the different types of operators using in Python.
35) a) Explain with example on while loop.
   (OR)
   b) Explain about any five Built in string functions.
36) a) What is the purpose of range ()? Explain with an example.
   (OR)
   b) Explain the types of relationship used in DBMS.
37) a) What are ways to read a CSV file using python and explain?
   (OR)
   b) Explain each word of the following command.
   python < file name.py> –<i> <c++ file name without extension>
38) a) Explain about the clauses in SQL.
   (OR)
   b) What are differences between Histogram and Bar graph?

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