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Common Second Revision Test - 2024



6×2=12

23-02-2024 <u>Standard 12</u>				
COMPUTER SCIENCE				
Time All	owed: 3.00 Hours	Ma	ximum Marks: 70	
Part - I				
Choose the correct answer: 15×1=15				
1) The variables in a function definition is called as				
	a) Parameters b) Variables	c) Definition	d) Subroutines	
2) Which keyword is used to exit a function block?				
	a) define b) def	c) return	d) end	
3) How many spaces does Indentation have in Python?				
	a) 5 b) 4	c) 3	d) 6	
4)	4) What is the output of the following program?			
	setA = {3, 6, 9}			
	setB = {1, 3, 9}			
	print(set A / setB)			
	a) {3, 9} b) {3, 6, 9, 1, 3, 9}	c) {1, 3, 6, 9}	d) {1, 6}	
5)	5) In which arguments the correct positional order is passed to a function?			
	a) Default b) Required	c) Keyword	d) Variable-length	
6)	<ol><li>6) Which of the following is a string used to terminate lines produced by write</li></ol>			
	method of csv module?			
	a) Data Terminator b) Form Feed	c) Enter Key d)	Liner Terminator	
7)	7) What is the positive subscript and negative subscript of the character 'N' in			
the below string $\rightarrow$ str1 = "Tamil Nadu".				
	a) 7, -3 b) 5, -4	c) 6, -3	d) 6, -4	
8)	What is the name of the data model d			
	a) Relational b) Hierarchical	c) Network	d) ER	
9)	<ol><li>The keys in python, dictionary is specified by</li></ol>			
	a): b);	c) +	d) =	
10)	A framework for interfacing Python an	d C++ is		
	a) Ctypes b) SWIG	c) Cython	d) Boost	
11)	11) Which of the following are mandatory to write the type annotations			
	function definition?			
	a) { } b) ( )	,	d) < >	
12)	Which symbol is used to print more th		-	
	a) Semicolon (;) b) Dollar (\$)		d) Colon (:)	
13)	A private class variable is prefixed wit	h		
	a) b) &&	c) ##	d) **	
14)	Which statement is generally used as			
	a) continue b) break		d) goto	
15)	is a type of chart which displays information as a series of data			
	points connected by straight line segments.			
	a) Line chart b) Pie chart	c) Bar chart	d) All the above	
<b>•</b> • • <b>•</b>				
Part - IT				

### Part - II

### Answer any 6 questions. Q.No. 24 is compulsory:

- 16) Define a function with respect to programming language.
- 17) Write the general categories of SQL commands.
- 18) What is algorithmic solution?
- 19) Define Pass statement.

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21) Write the syntax of While Loop.

# dasalai.Net What is the difference between del and remove() function in List?

- 23) What is the purpose of destructor?
- 24) What is the value of X in the following python code? List1=[2, 4, 6, [1, 3, 5]] X=len(list1)

### Part - III

## Answer any 6 questions. Q.No. 33 is compulsory:

- 25) Differentiate Concrete Data type and Abstract Data type.
- 26) How will you access the elements in a list using for loop?
- 27) Write a note on Escape sequence.
- 28) Write the Syntax of csv.writer() and explain it.
- 29) What is string concatenation? Give example.
- 30) What are the applications of scripting language?
- 31) Explain the enclosed scope with example.
- 32) List the types of visualization in Matplotlib.
- 33) Write the output of the following python code. StivAkumar.M. Soi Ram Matoic HSS, Vallam-622809 Tenkasi Dist. str="Thinking with Python"
  - i) print(str[::3])
  - ii) print(str(::-4])
  - iii) print(str[9:13])

# Part - IV

### Answer all the questions:

34) a) What is Binary search? Discuss with example.

5×5=25

6×3=18

- (OR)
- b) Differentiate DBMS and RDBMS.
- 35) a) How will you facilitate data abstraction? Explain it with suitable example. (OR)
  - b) Write in brief about SQLite and the steps used to use it.
- 36) a) List out the Python File mode with its meaning while using csv.

#### (OR)

b) Write the syntax. Description with example of the following Built-in string functions.

(i) isdigit() (ii) islower() (iii) ord() (iv) chr() (v) title()

37) a) Explain the clauses in SQL.

### (OR)

- b) Explain the while loop with suitable example.
- 38) a) Explain the various buttons in a Matplotlib windows.

### (OR)

b) What is the output of the following code.

class sample:

def\_\_init\_\_(self, var):

sample.num+=1

self.var=var

print("The object value is=", var)

print("The count of object created=", sample.num)

- s1 = sample(15)
- s2=sample(35)
- s3=sample(45)

kindly send me your key answers to our email id - padasalai.net@gmil.com2