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Standard 12

Time:	3	nn.	Hrs.
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V12CS

COMPUTER SCIENCE

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PART-I

7	Ch	oose the correct a	answer:		15×1=15			
.40	1	Which of the foll	owing defines, what	t an object can do?				
ئى يەن ئۇرىلان	٠.			b) Compiler				
, F3.5.		c) Interface		d) Implementation	1			
	2)		ose representation	is known?				
	-,		b) Derived	c) Concrete	d) Abstract			
-	3)	Containers for m	Containers for mapping names of variables to object is called					
	,	a) Scope	b) Mapping	c) Namespace	d) Binding			
	4)	The two main me	easures for the effic	iency of an algorithm	are and			
	•	·						
		a) Process, memo	ory	b) Time, space				
		c) Data, memory		d) Data, capacity				
e tool .	5)	-	wing is not a keywo	ord?				
	-,			c) continue	d) else			
	6)			for the following sta				
	٠,	if : print (X.	"is a leap vear")					
		a) $X\%2 = 0$	b) $X\%4 = 0$	c) X%4 ==0	d) $X/4 = 0$			
3.1.	7)	What is stride? St	ride is the	argument of slicing	operations.			
20.00	,,	a) First	b) Second	c) Third	d) default			
	8)		X**2 for X in range		•			
	U)		es). What is the out					
				c) [1, 4, 9, 16]	d) [2, 4, 6, 8]			
	۵۱		wing method is use		c, [=, ., c, c]			
	9)			c)class	d)rem			
	10)	-	reloped by		u)			
	10)	a) EE codd	h) shop	c) chand	d) chend			
	11\	a) Er Couu	dition applicable on	field fields and table	a) chena			
	11)			field, fields and table				
				c) constraint	u) scope			
	12)		csv.writer () work		d\ liat/tuala			
			b) dictionary		d) list/tuple			
	13)		•	progam is called				
		a) wrapping	b) downloading		d) connecting			
	14)		wing is called maste					
				c) main_master				
:	15)			for installing python ព្				
rim.		a) Pip	b) Matplotlib	c) plt	d) plt.show()			
			PART - I	I				

II. Answer ANY SIX questions. Qn.no. 24 is compulsory:

 $6 \times 2 = 12$

- 16) What is the difference between parameters and arguments.
- 17) What is an algorithm?
- 18) What is a literal in python? List the types of literals.
- 19) What are the differences between break and continue statements?
- 20) What is instatiation?

Kindly send me your questions and answerkeys to us: Padasalai.net@gmail.com

V12CS

- 21) What is the difference between SQL and Mysql?
- 22) Expand: (i) SWIG (ii) MinGW
- 23) Define "Data Visualization".
- 24) What will be the output for the following code?
 - >>> place = "Tech-Park"
 - >>> print (place * 3)

PART - III

III. Answer ANY SIX questions. Qn.no. 32 is compulsory:

6×3=18

- 25) Write notes on Asymptotic notations.
- 26) Write notes on the ways of accessing elements of a list.
- 27) What are the logical operators in python? Give example for the usage of them.
- 28) What is composition in function?
- 29) Differentiate remove (), pop () and clear () functions used in lists.
- 30) What is the role of DBA?
- 31) Write notes on TCL commands: Commit, Roll back and Save point
- 32) Identify the module, operator and the definition name from the following statement.

Welcome . display ()

33) Write any three uses of data vizualization.

PART-IV

IV. Answer the following questions:

5×5≈25

34) a) What are the characteristics of modules?

(OR)

- b) Explain the Bubble sort algorithm.
- 35) a) Write a python program to print the following pattern:

1

2

2 3 3 3

4 4 4 4

5 5 5 5 5

(OR)

- b) What are the types of function arguments? Explain them with suitable examples.
- 36) a) Explain the set operations with suitable example.

(OR)

- b) What is Relational Algebra in DBMS? Explain the various groups in it.
- 37) a) Explain the need of python's OS module with suitable example.

(OR)

- b) Write notes on the aggregate functions used in values of Table column.
- 38) a) List the rules to be followed to format the data in a CSV file.

(OR)

- b) Explain the purpose of the following functions in data visualization.
 - a) plt.X label ()
 - b) plt.Y label ()
 - c) plt.title ()
 - d) plt.legend()
 - e) plt.show ()