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V12CS

Virudhunagar District

ime: 3.00 Hours	Standard 12	
and aloo hours	COMPUTER SCIENCE	Marks: 7
Answer all the questio	Part - I	naiks, /
1) Which of the fell	ns.	15-1-1
brackets	ns. ing is constructed by placing expres	Sions within cause
a) Tuples		Sions within square
2) The process of h	b) Lists c) Classes	d) quadrats
a) Scope	ing a variable name with an object in	s called
3) Which of the faller	b) Mapping c) Late binding	d) early binding
a) Big A	ng is used to describe the worst cas	e of an algorithm?
4) The following st	b) Big S c) Big W	d) Big O
a) #	cters is used to give comments in Py	thon program?
5) elif con he consider	b) & c) @	d) \$
a) nested if	ed to be a abbreviatoin of	-)+
a) nesteu II		d) if elif
a) Define	ng keyword is used to exit a function	block in Python
		d) def
7)is the string sl	cing operator	-, -,
a) [] 8) Which of the fall	b) { }	d) ()
a) A list is Mutable	ng statement is not correct	
a) A list is Mutable	b) A tuple is Imm	utable
d) The extend () fu	nction is used to add an element	
9) Class mombors are	nction is used to tuple to add elemen	nts in a list
eluss members are	accessed through which operator?	
	b) .(dot) c) #	d) %
a) Chris Date	of Relation Database from the follow	ing
c) Edar Frank Codd	b) Hugh Darweer	
11) The command to d	d) Edgar Frank C elete a table including the strucure is	add
a) DROP	b) DELETE c) DELETE AI I	
	b) DELETE c) DELETE ALL is used when dealing with non-text like	d) ALTER TABLE
a) Text mode	b) Binary mode c) xls mode	
	erfacing Python and C++ is	d) CSV mode
a) Ctypes	b) SWIG c) Cython	d) Boost
14) Which SQlite clause	is used to filter data base on the gro	up functions?
a) HAVING	b) WHERE c) ORDER	d) FILTER
15) In Python matplotli) is a	.,
a) control structure	b) dictionary	
c) list	d) library	
	Devel II	
	Part - II ons. Question No. 24 is compulsory	

16) What is an impure function?

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- 17) What is Abstract data type?
- 18) What is Mapping?
- 19) What is the use of Lambda function?
- 20) How will you create constructor in Python?
- 21) List any 2 advantages of RDBMS.
- 22) Write the SQL statements using 'BETWEEN' and 'NOT BETWEEN' keywords.
- 23) Write the syntax of Python's OS Module.
- 24) What is Data Visualization?

Kindly send me your answer keys to us - padasalai.net@gmail.com

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6×3=18

5×5=25

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2 Part - III

III. Answer any six questions. Question No. 29 is compulsory.

- 25) Write note on Asymptotic notation.
- 26) Explain Ternary operator with example.
- 27) Write the syntax of while loop.
- 28) How Recursive function works?
- 29) Write a Python program to calculate area and circumference of a circle using classes & objects.
- 30) Write short note on ER model.
- 31) Explain the syntax of UPDATE SET command.
- 32) Tabulate the differences between Excel file and CSV file (any three)
- 33) Write about the special variable _____ name _____ in Python

Part - IV

IV. Answer all the questions

34) Explain with an example interface and implementation.

(OR)

Write any 5 characteristics of Modules.

35) Explain the concept of Dynamic programming with suitable example.

(OR)

Describe in detail about the procedure of script mode programming.

36) Write a detail note on if-else-elif statement with example.

(OR)

Explain any 5 Built-in string functions in Python.

37) Write a Python program that prints maximum and minimum value in a Tuple.

(OR)

Write the rules to be followed to format the data in a CSV file.

38) Explain the usage of aggregate function in SQlite through Python program.

(OR)

What is a Pie-Chart? How will you draw pie-chart using matplotlib.

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