# SRM NIGHTINGALE MAT. HR. SEC. SCHOOL, W.MAMBALAM, CHENNAI - 33

### **CLASS: XII SECOND REVISION EXAMINATION 2021 MARKS: 70 COMPUTER SCIENCE** TIME: 3 HRS

## I Choose the correct answer:

 $15 \times 1 = 15$ 

	1.	Let list1=[2,4]	,6,8,10], then p	orint(List1[-2]	) will re	esult in	
		a)10	(b) 8	(c) 4	(d) 6		
	2.	Which of the	following Pyth	on function ca	an be us	sed to add more than one eleme	ent within an
		Existing list?					
		(a) append()	(b) append_m	ore() (c)ext	end()	(d) more()	
	3.	Functions def	ined inside a c	class:			
		(a) Functions	(b) Mo	dule (c) Me	ethods	(d) section	
	4.	Class members are accessed through which operator?					
		(a) &	(b).	(c) #	(d) %		
	5.	What is the ac	cronym of DBN	AS?			
		a) DataBase N	Aanagement Sy	ymbol	b) Dat	abase Managing System	
		c) DataBase M	lanagement Sy	ystem	d) Dat	aBasic Management System	
	6.	A table is kno	wn as				
		a) tuple	b) attribute	c) relation	d)enti	ty	
	7.	Which command lets to change the structure of the table?					
		a. SELECT b. ORDER BY c. MODIFY d. ALTER					
	8.	The command	d to delete a ta	ble is			
		a. DROP	b. DELETE	c. DELETE AL	LL	d. ALTER TABLE	
	9.	A CSV file is a	lso known as a	ì			
		(A) Flat File	(B) 3D File	(C) String File	е	(D) Random File	
	10.	The expansion		- <del>-</del>			
		_		Feed (B) Ca	rriage I	Return and Form Feed	
					_	Return and Line Feed	
	11.	Which of the following module is provided by Python to do several operations on the CSV files?					
		(A) py	_	(C) csv	(D) os	•	
	12.	. ,	` ,	. ,	anguage	?	
12. Which of the following is not a scripting language? (A) JavaScript (B) PHP (C) Perl (D) HTML							
	13. Importing C++ program in a Python program is called						
(A) wrapping (B) Downloading (C) Interconnecting (D) Parsing							
	14.	The expansion	• •				
		_		ng Interpreter	(B) Ap	plication Programming Interfa	ce
		(C) Application Performing Interface (D) Application Programming Interlink					
	15.	Which of the following is a control structure used to traverse and fetch the records of the					
		abase?	. 3				
		(A) Pointer	(B) Key	(C) Cursor	(D) Ins	sertion point	
		· · · · · · · · · · · · · · · · · · ·	C 7 - 3	(-)	( )	r	
II A	nsv	wer anv SIX o	f the followin	g: (O.No 19 is	s comp	ulsorv)	$6 \times 2 = 12$
				( × ··· · × × / 10		<del></del>	

- 16. How will you access the list elements in reverse order?
- 17. What is instantiation?
- 18. Mention few examples of a database.
- 19. Differentiate Unique and Primary Key constraint.
- 20. Mention the two ways to read a CSV file using Python.
- 21. What is the theoretical difference between Scripting language and other programming language?
- 22. Which method is used to connect a database? Give an example.
- 23. List the general types of data visualization.

- 24. What are the advantages of Tuples over a list?
- 25. What are class members? How do you define it?
- 26. Write a SQL statement to modify the student table structure by adding a new field.
- 27. Write a Python program to modify an existing file.
- 28. Differentiate PYTHON and C++.
- 29. Mention the difference between fetchone() and fetchmany()
- 30. Write any three uses of data visualization.
- 31. What is MinGW? What is its use?

## IV Answer the following in detail

 $5 \times 5 = 25$ 

32. What the different ways to insert an element in a list. Explain with suitable example.

(or)

Explain the different set operations supported by python with suitable example.

33. Explain the characteristics of DBMS.

(or)

Write the different types of constraints and their functions.

34. What are the components of SQL? Write the commands in each.

(or)

Differentiate Excel file and CSV file.

35. Tabulate the different mode with its meaning.

(or)

Explain each word of the following command.

COMMAND: Python <filename.py> -<i> <C++ filename without cpp extension>

36. Explain the various buttons in a matplotlib window.

(or)

Write a Python program for the following:

- a) Factorial of a given number
- b) To check whether a given number is odd or even using a function.