CHRIST THE KING BOYS MATRIC HR. SEC. SCHOOL, KUMBAKONAM – 612 001.

S	TD: XII		MARK	S: 70		
S	UB: COMPUTEF	R SCIENCE	TIME:	TIME: 2.30 MINS		
	HALF		L QUESTION PAPEI	R – 5		
		PART				
I.	CHOOSE THE CORR	ECT ANSWER:		15*1=15		
1.	Containers for mappin	g names of variables to objec	cts are called			
	a) Scope	b) Mapping	c) Binding	d) Namespaces		
2.	The data type whose re	presentation is unknown are	called			
	a) Built in data type	b) Derived data type	c) Concrete data type (D)) Abstract dat type		
3.	The functions which w	vi l give exact result when same	me arguments are passed are c	a led		
	a) Impure funct ons	b) Partial Functions	c) Dynamic Functions	d) Pure functions		
4.	Which of the following	g shortcut is used to create ne	ew Python Program?			
	a) Ctrl + C	b) Ctrl + F	c) Ctrl + B	d) Ctrl + N		
5.	Time complexity of bu	bble sort in best case is	·			
	a) θ (n)	b) θ (nlogn)	c) θ (n2)	d) θ (n(logn) 2)		
6.	elif can be considered	to be abbreviation of				
	a) nested if	b) ifelse	c else if	d) ifelif		
7.	A Function which calls	s itself is called as				
	a) Built-in	b) Recursion	c) Lambda	d) return		
8.	What is stride?					
	a) Index value of slide operation		b) first argument of slice operation			
c) Second argument of slice operation		slice operation	d) third argument of slice operation			
9.	Which of the following	g set opera n includes all th	he elements that are in two set	s but no the one that		
	are common to two set	s?				
	a) Symmetric difference	b) Diff rence	c) Intersection	d) Union		
10	. A private class variable	e is prefixed with	<u> .</u> .			
	a	b) &&	c) ##	d) **		
11	. What symbol is used for	or SELECT statement?				
	a) σ	b) П	c) X	d) Ω		
12	. Which of the following	g mode is used when dealing	with non-text files like image	or exe files?		
	a) Text mode	b) Binary mode	c) xls mode	d) csv mode		
13	. The module which allo	ows you to interface with the	Windows operating system is	·		
_	a) OS module	b) sys module	c) csv module	d) getopt module		
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14.	Which of the following is a software design technique to split your code into separate parts?				
	a) Object oriented Program	nming	b) Modular programm	ning
	c) Low Level Programmin	g	d) Procedure oriented	Progr mming
15.	. Which of the following executes the SQL command to perform some action?				
	a) Execute()	b) Key()	c) Curson	0	d) run()
			PART – II		
II	ANSWER ANY 6 QUEST	TIONS: (Q.No.22	2 Compulsory)		6*2=12
16.	6. Define Subroutines				
17.	17. What are Keywords and Boolean Literals in Python?				
18.	18. Define Sequential St tement with example.				
19.	9. Define the following Built – in String Functions: a) len() b) capitalize()				
20.	20. Define Class in Python				
21.	21. What is Data Consistency?				
22.	22. Define Dictionary Comprehension				
23.	23. What are the ways to read a CSV File?				
24.	24. What is use of next() function?				

PART – III

III. ANSWER ANY 6 QUESTIONS: (Q.No.31 Compulsory)

- 25 What are the Characteristics of Interface?
- 26. Explain the three Asymptotic Notations used to represent the time complexity of Algorithms?
- 27. How to pass the parameters in Func i ns?
- 28. Write a Python Program to check whether the given string is palindrome or not
- 29. Define the following list functions: a) max()b) min()c) sum()
- 30. What are the SQL Commands which comes under DML?
- 31. Define COMMIT and TRUNCATE Command
- 32. What is the difference between Compiler and Interpreter?
- 33. Define SQL WHERE CLAUSE

6*3=18

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		PART IV			
IV. ANSWER	THE FOLLOWING	QUESTIONS:		5*5=25	
34. a) Write any	v five benefits in using	g modular programming.			
		[OR]			
b) Explain t	he Selection sort algo	rithm with example.			
35 a) W ite a p	rogram to display Fib	onacci series 0 1 1 2 3 4	5 (upto n terms)		
		[OR]			
b) Explain t	b) Explain the following built-in functions				
i) id()	ii) chr()	iii) round()	iv) typ ()	v) pow()	
36. a) Explain th	he different set operat	ions supported by pythor	n with suitable examp	le.	
		[OR]			
b) Explain a	bout string operators	in python with suitable e	example.		
37. a) Explain tl	he different operators	in Relational algebra wi	th suitable examples.		
		[OR]			

b) Explain the TCL Commands?

38. a) Differentiate Excel file and CSV file.

[OR]

b) Write a Python script to create a table called ITEM with following specification.

Add one record to the table.

Name of the database - BC

Name of the table:- Item

Column name and specification:-

Icode	:-	integer and act as primary key
Item Name	:-	Character with length 25
Rate	:	Integer
Record to be added	:-	1008, Monitor,15000

// ALL THE BEST