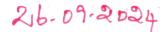
Tenkasi District Common Quarterly Examination - 2024





Standard 12

COMPUTER SCIENCE

Γim	ne All	owed: 3.00 Hours	COM CIEN SC.	Maria Maria	aximum Marks: 70)
Ε.	Cho	ose the correct an	swer from the give			
	1)	Which of following	is a district syntatic	hlock?	/es: 15×1=15	•
		a) Subroutines	b) Function		d) Modulas	
	2)	Which of the following		direct implements	d) Modules	4
		simple concept?	is auto type in acute	direct implementa	itions of a relatively	/
		a) Built-in data typ	e	b) Derived data t		
,		c) Concrete data t		d) Abstract data		
	3)	The process of sub-	·dividina a computer	program into sen	type arato cub-program	
		is called	1.	program into sepi	arate sub-program	, A
		a) Modular program	ming	b) Object-oriente	d programming	
		c) Procedural progra		d) Event driven pr		
	4)	The θ notation in as	symptotic evaluation	represents	ogramming	
		a) Base case	b) Average case	c) Worst case	d) Best case	
	5)	The python prompt	indicates that inter	preter is ready to	accept instruction	1
		a) //	D) >>>	c) <<	d)<<<	•
	6)	The values which a	re passed to a funct	ion definition are	called	
		a) Sub-routine	b) Definition	c) Arguments	d) Parameters	
,	7)	Which statement is	generally used as p	laceholder?	* 1	
	-	a) Pass 🐧 🕖 🔒	b) Break	c) Continue	d) Goto	
	8)	What is the output	of the following fun	ction?		
		print (math.floo				
	٥.	a) 8.0	b) 8.9	c) 8	d) 9	
	9)	Strings in python:				
		a) flexible	b) mutable	c) immutable	d) changeable	8
	10)	Which of the follow	ing python function	can be used to a	dd more than one	2
		element within an	existing list?		· · · · · · · · · · · · · · · · · · ·	
		a) append()	The state of the s	b) extend()		
		c) more()	100	d) append_more()	
	11)	The process of creating	ating an object is ca	illed as	. 6	
		a) Constructor	b) Destructor	c) Initialize	d) Instantiation	1
	12)	Which method gets	called automatically	when we deleted t	he object reference	
		using the del.		732		-
		a)init()	b)del()	c)rem()	d)func()	
	13)	Let setA = $\{3, 6,$	9}, setB = $\{1, 3, \dots, 3\}$	9). What will he	the result of the	_
	-	following snippet?	9-1 Par 1. 1821 W	- 57 111114 11111 20	the result of the	3
	*	print(setA-setB)			
		a) {1, 6}	b) {6}	c) {1 3 6 0}	۹) دی هی	
	14)	Which of the follow		c) {1, 3, 6, 9}		
	14)			the following code	e?	
		str1 = "TamilNac	iu			
		print(str1[::-2]	Jaya — Jaharan — — i	<u> </u>	5.0	
		a) TamilNadu	•	c) ulmT	d) ualmT	
	15)	In which argument			t (1)	
		a) Poquirod	h) Variable length	c) Default	d) Koyayard	

П.	Answer any	six ques	tions. Ques	tion No. 2	24 is	compulso	ry:
----	------------	----------	-------------	------------	-------	----------	-----

 $6 \times 2 = 12$

- 16) Define function with respect to programming language.
- 17) Differentiate constructors and selectors.
- 18) What is algorithmic solution?
- 19) Write short notes on Tokens.
- 20) What are the main advantages of function?
- 21) What is the use of lambda function?
- 22) Write any four formatting characters and its usage.
- 23) How will you access the list elements in reverse order?
- 24) What is the output of the following python code?

```
>>> squares = [x**2 for x in range (1, 6)]
```

, >>> print(squares)

III. Answer any six questions. Question No. 33 is compulsory:

 $6 \times 3 = 18$

- 25) Differentiate pure and impure function.
- 26) Define Global scope with an example.
- 27) Discuss about Algorithmic complexity and its types.
- 28) Write a short note on logical operator with examples.
- 29) What are the points to be noted while defining a function?
- 30) What is the use of format ()? Give an example.
- 31) What are the difference between List and Dictionary?
- 32) How do you define constructor and destructor in python?
- 33) Write a program to display

1 1 2 3 1 2 3 4 SLVAKUMAR.M. Sor Ram MytricHSS Allam. 627809

IV. Answer all the questions:

5×5=25

34) a) Explain with example pure and impure functions.

(OR)

- b) What is List? Why List can be called as pairs? Explain with suitable example.
- 35) a) Write any five benefits in using modular programming.

(OR)

- b) Explain the characteristics of an algorithm.
- 36) a) Describe in detail the procedural script mode programming.

(OR)

- b) Write a program to display all three digit odd numbers.
- 37) a) Explain the different types of function with example.

(OR)

- b) Write the output for the following python commands: str1 = "Welcome to Python"
 - i) print(str1)
 - ii) print(str1[11:17])
 - iii) print(str1[11:17:2])
 - iv) print(str1[::4])
 - v) print(str1[::-4])
- 38) a) What is the purpose of range()? Explain with an example.

(OR)

b) Explain about constructor and destructor with suitable example.