Candidate Details			
Name	:		
Phone	:		
Email	:		
Last 2 Education Qua	:		
Experience (in Years)	:		

Section: PYTHON

Sl. No.	Question	Marks
1	write a paragraph on flask interaction with python code in a software.	1
2	What does [::-1] do?	2
3	Which of the following is an invalid statement? A) xyz = 1,000,000 B) x y z = 1000 2000 3000 C) x,y,z = 1000, 2000, 3000 D) x_y_z = 1,000,000	2
4	if parallel processing is my requirement and you need to run the code of edge devices, which programming language will you choose to code?	2
5	how would you handle declaration of id and name data which is used repeatedly for lookup elsewhere in the code? Justify your choice considering case of large bank customers data.	2
6	define your approach in a paragraph of capturing sql error and showing it on web frontend application	1
7	A = ("Python" , "Java") print(type(A)) B = ("Python",) print(type(B)) C = ("Python") print(type(C)) what will be the output for above python code?	2
8	What are constructors? List type of constructors	1
9	What are the limitations of python in comparison to other language?	1
10	Can you explain the life cycle of a thread?	1
11	write python code to convert date_string = "Feb 25 2020 4:20PM" into an output 2020-02-25 16:20:00	2

Total Questions: 27

Total Time: 40 mins

Total Marks: 50

Answer

Section: Database (SQL, PL/SQL)

Sl. No.	Question	Marks
1	Define cursor and its use.	1
2	What is a unique constraint?	1
3	What do you understand by normalization and denormalization?	1
4	Write SQL query to get the result as below (assume table and field names)- "How many customers placed an order and what is the average order amount?"	2
5	write SQL query to get the result as explained below. Assume your own table and field names. Find the details of all the managers (in any dept) and clerks in dept 20.	2
6	For the following relation schema: employee(employee-name, street, city) works(employee-name, company-name, salary) company(company-name, city) manages(employee-name, manager-name) Give an expression in SQL for each of the following queries: Find the names of all employees in the database who live in the same cities as the companies for which they work.	3

Section: Logical Reasoning

Sl. No.	Question	Marks
1	Alphanumeric Series: W % ^ K V P 1 I 7 E 0 & 2 9 A F Z N 4 * @ U ? M Q 1. How many numbers in the series are preceded by a vowel? (1) Four (2) None (3) Two (4) One (5) Three	2

		From a certain point, Smriti walks 70 m towards the south. Then, she turns to her right & starts walking straight for another 70 m. Then, again turning to her left he walks for 60 m. She then turns to her left & walks for 70 m. How far is she from the starting point? (1) 120 m (2) 135 m (3) 140 m (4) 130 m 2 (5) 125 m	2
		Read the information given below carefully and answer the following questions: Five friends A, B, C, D and E travelled from Tamil Nadu to five different states Uttar Pradesh, Maharashtra, Rajasthan, Karnataka and Punjab by 5 different modes of transport: Cycle, Bus, Train, Truck, and Bike. The one who travelled to Rajasthan did not travel by Bike. C went to Karnataka by Truck and B went to Maharashtra by Train. D travelled by Bike and E travelled by Bus. Tamil Nadu is not connected by Cycle to Uttar Pradesh and Rajasthan. Q 7. What means of Transport did C use? (1) Bus (2) Cycle (3) Train (4) Truck 3 (5) Bike	3
		All footballers are fit and healthy. All famous sports players are footballers. If it is assumed that the above is true then which of the following is logical deduction? Option 1- All footballers are famous sports people. Option 2- All famous people are fit and healthy. Option 3- All fit and healthy people are footballers. 4 Option 4- All footballers players are men.	3
		Alex said to Maria, " That boy playing with the football is the younger of the two brothers of the daughter of my father's wife." How is the boy playing football related to Alex? (A) Son (B) Brother (C) Cousin 5 (D) Brother in Law	3

	6	Choose the word that is different from the rest? (A) Kiwi (B) Eagle (C) Emu (D) Ostrich	2
	7	choose the odd one out in the number pattern 2, 5, 10, 17, 26, 37, 50, 64 (A) 50 (B) 26 (C) 37 (D) 64	2
	8	A good way to approach this type of question is to use the following sentence: "A _____ could not exist without _____." vibration a. motion b. electricity c. science d. sound	2
	9	Sponge is to porous as rubber is to a. massive. b. solid. c. elastic. d. inflexible.	2
	10	Match the Pattern as below: [carpenter] [saw] [nails] [pediatrician] [stethoscope] [_____] a. thermometer b. baby c. doctor d. illness	2

	READ CAREFULLY				
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