Total No. of Questions: 5]

P5784

SEAT No. :		
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[6120]-106

First Year M.C.A. (Management)

	11 - 21 : PYTHON PROGRAMMING	
	(2020 Revised) (Semester - II)	
	1 , 70.	ıx. Marks : 50
1)	All questions are compulsory.	
2) 3)	Figures to the right indicate full marks. Assume suitable data if necessary.	
Q1) a)	Write a program to create a list of words from the given strin less than size 'A'.	g which are
	Input String: "Python programming language has lot of app data analytics".	lications in
	Input $n = 8$	[5]
b)	Explain the concept of modules and packages with suitable e	xample.[5]
a)	Explain generators with example.	[5]
b)	Write a program to swap two numbers without using tempora	
-	accept input from the user.	. 151
Q2) a)	What is thread? Write a program that creates two threads. C	5.70
2 , ,	should print even numbers from 2 to 8 and the other should	ne uread
	numbers from 1 to 7.	
b)	Write a program to accept an integer number	[5]
0)	Write a program to accept an integer number and use try/excepthe exception if a floating point number is entered.	ot to catch
	OR CONTRACTOR	[5]
a)	What is thread synchronization? Explain with suitable example	
b)	Write a program that reads a text file and counts the number of words in the file.	[5]
,	words in the file.	lines and
	6.	
		[5]

Write a program to validate strong password using regular expression -03) a) specify rules for the strong password. 151 Create a class "Bank" having attributes "Bank name" "Branch", "City", b) "Manager Name" and methods" "Change manager name" and "Display details." Wirte a constructor to initialize the instance variables. Write a main program to demonstrate the use of Bank class. [5] OR Write a program to find the occurrence and position of the substrings a) 151 within a string consider user input. Write a program to demonstrate the overriding of the base class method b) 151 in the derived class. Write a program using mango DB database to create a "employee". Q4) a) Collection having fields Emp ID, Name, Designation, Mobile, Department. Accept the input from the user to insert the documents. 151 What is string slice? How it is useful. [5] b) OR. Explain deep copy with suitable example. 151 a) Write a program using monogo DB database to create a collection "Chess b) competition" with fields (Player_id, player_name, player_age, player_phone) and display all registrations. 151 Create pandas dataframe using 2D list and perform following operations. 05) a) 151 Display first 5 rows. i) Count missing values in column 2nd. Create 3×3 numpy array and determine median and mode. [5] b) OR Create dataframe using three series having size 10, series are account a) number, name and balance. Draw pie chart using matplot lib and decorate it by adding various elements use suitable data. 151