PRN:		Course Code:	MCA110

First Year MCA End Semester Examination Winter 2022

Backlog

Python Programming

Day and Date: Tuesday, 20.12.22 Max Marks: **100**

Time: 10.30am – 1.30pm Duration: **03** hrs

Instructions: All questions are compulsory.

			Marks	Bloom's Level	CO
Q.1		**Attempt the following**			
	a)	Explain the Control statement in python.	08	L2	CO1
	b)	Recall any 7 built-in functions of List method	08	L1	CO1
		OR			
	b)	Recall any 7 built-in functions of Dictionary method.	08	L1	CO1
Q.2		**Attempt the following**			
	a)	Elaborate functions in python	08	L6	CO1
	b)	Summarize different types of function arguments in python	08	L2	CO1
		OR			
	b)	Compare local and global variables in python	08	L3	CO2
Q.3		**Attempt ant two from the following**			
	a)	Explain different methods of file with example	08	L2	CO2
	b)	Explain Built -in exceptions in python	08	L2	CO3
	c)	Analyze the step involved in database connectivity	08	L4	CO3
Q.4		**Attempt ant two from the following**			
	a)	Inference Multilevel inheritance with example	08	L4	CO2
	b)	Explain Multiple inheritance with example	08	L2	CO2
	c)	Demonstrate a program to implement the following. Define a class to represent a bank account. Include the following details like name of the depositor, account number, type of account, balance amount in the account. Write methods to assign initial values, to deposit an amount, withdraw an amount after checking the balance, to display name, account number, account type and balance	08	L2	CO2
Q.5		**Attempt ant two from the following**			
	a)	Compare View and Copy of ND array.	09	L2	CO3
	b)	Demonstrate a program for matrix addition and subtraction using choice based on 3*3 matrix	09	L2	CO3
	c)	Identify Load and Save ndarray operations using numpy	09	L3	CO3
Q.6		**Attempt ant two from the following**			
	a)	Inspect Pandas in brief	09	L3	CO3
	b)	Make use of arithmetic operations on Series and data Frames	09	L3	CO3
	c)	Explain the features of Pandas	09	L2	CO3

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