

BTCEAI-305

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Supplementary Examination-2023

(For odd semester-2022)

Time: 3 hours

MM: 75

Answer all questions from Section-A.

Section-A (7 x 5 =35)

Q.N.	Questions	Marks	CO	BL
1.	Discuss various advantages of Python.	5	CO2	L1
2.	What are different data types available in Python.	5	CO3	L2
3.	What is the purpose of using Pass statement in Python?	5	CO1	L1
4.	What do you mean by loop structure in Python.Explain with example.	5	CO3	L2
5.	Write a program in Python to print the following line 5 times as output: “ Welcome to Jamia Hamdard”	5	CO4	L4
6.	Write a program to add two numbers (say: 10 and 20) using function.	5	CO2	L2
7	Write short notes on any TWO: 1) C++ 2) Jupiter 3) Colab	5	CO1	L3

Answer any FOUR questions from section-B

Section-B (4 x 10 =40)

Q.N.	Questions	Marks	CO	BL
1.	a) Write a program in python for the following pattern. A AA AAA AAAA b)Differentiate between break and continue statement.	10	CO4	L4

2.	What is inheritance in Python? Discuss with suitable example.	10	CO3	L3
3.	Write a program in Python to reverse the following string. "ABCDEFGH"	10	CO3	L2
4.	Discuss the following with example: If, Else, elif, & switch cases	10	CO2	L1
5.	Discuss OOPs concept in python with suitable	10	CO2	L2
6.	Write short notes on any TWO: a) Matplotlib b) NumPy c) File Handling d) Exception Handling	10	CO2	L2

BL — Bloom's Taxonomy Levels (1- Remembering, 2- Understanding, 3-Applying, 4-Analysing, 5-Evaluating, 6-Creating)

CO — Course Outcomes