



End Semester/Reappear (Semester III) Examination December, 2024

Programme: MCA

Course: Python Programming

Course Code: 3CIT203

Enrolment no. _____

Full Marks: 70

Time: 3 Hrs.

Q. No	Questions	CO	Bloom Taxonomy Category	Marks
Section I				
1	Short Answer type questions			4 x 5 = 20
a	Differentiate between list and tuples.	CO1	Analyze	
	or			
b	State why is python called dynamically typed Language.	CO1	Understand	
	or			
c	Conclude the purpose of the open () function in Python regarding file handling.	CO2	Analyze	
	or			
d	Discuss the purpose of the seek () function in file handling. Provide an example to illustrate its usage.	CO2	Analyze	
	or			
e	Differentiate between error and exception.	CO3	Analyze	
	or			
f	State some common examples of exception in Python.	CO3	Remember	
	or			
g	Describe thread, Process Control block (PCB) and Thread Control block (TCB).	CO4	Remember	
	or			
h	Differentiate between thread and process.	CO4	Analyze	
	or			
Section II				
Long Answer type questions				
2	Write a Python program that takes two numbers as input and prints their sum, difference, and product.	CO1	Apply	3 x 10 = 30
	or			
3	Describe the types of prompts exist in the Python language with an example.	CO1	Remember	
	or			
4	Write a Python program that reads a CSV file and displays the data in a tabular format.	CO2	Apply	
	or			
5	Explain the role of sys.argv in handling command line arguments.	CO2	Understand	
	or			
6	Describe Built-in Exception with their name and explanation.	CO3	Understand	
	or			
7	Discuss Assertions in Python with an example	CO3	Remember	
	or			
Section III				
Application based questions				
8	a. Discuss Super key, Candidate key and Primary Key. Also show the relationship that exist between them using a suitable Venn diagram.	CO4	Analyze	1 x 20 = 20
	b. Write a program to perform multiplication of two square matrices.			
9	or			
	a) Exemplify the modules in Python which is commonly used for database connectivity.	CO4	Analyze	
b) Design a python program to run a SQL Query by connecting Python with MySQL database.				

COURSE OUTCOME

At the end the course the candidate will able to

CO1: Explain basic principles of Python programming language.

CO2: Implement object-oriented concepts

CO3: Implement database and GUI applications

CO4: Read and write data from & to files in Python