



DIPLOMA IN INFORMATION TECHNOLOGY

CENTRALIZED QUESTION BANK

1052234440 - PYTHON PROGRAMMING

**DIRECTORATE OF TECHNICAL
EDUCATION GOVERNMENT OF
TAMILNADU**

DIPLOMA END SEMESTER / YEAR EXAMINATION – 2025

Course : Information Technology

Subject : Python Programming

QP Code : 1052234440

Time : 3 Hours

Date :

Session:

Max Marks: 100

Answer the Following Questions

1.
 - a) Write a python program to read three numbers and print the greatest of three numbers.
 - b) Write a python program to create one dimensional array and convert into a 2D-dimensional array using reshape (), print the first two columns alone using slicing.
2.
 - a) Write a python program to find the sum of N number using range () function in for loop.
 - b) Write a python program to create two-dimensional array and search for an element using where () function.
3.
 - a) Write a python program to demonstrate the string slicing, concatenation, replication and len() method.
 - b) Write a python program to create a 2D-dimensional array and demonstrate aggregation functions sum (), min () and max () in the row and column wise.
4.
 - a) Write a python program to create a tuple and convert it to a list and print the list in sorted order.
 - b) Write a python program to read a text file and write the content in another file.
5.
 - a) Write a python program to create a dictionary and check whether a key or value exist in the dictionary
 - b) Write a python program to read a csv file using pandas and print the content.
6.
 - a) Write a python program to read three numbers and print the greatest of three numbers.
 - b) Write a python program to read a **csv file** using pandas and print the content.
7.
 - a) Write a python program to find the sum of N number using range () function in for loop.
 - b) Write a python program to read a text file and write the content in another file.
8.
 - a) Write a python program to demonstrate the string slicing, concatenation, replication and len() method.
 - b) Write a python program to create two-dimensional array and search for an element using where () function.

9.
 - a) Write a python program to create a tuple and convert into a list and print the list in sorted order.
 - b) Write a python program to create a 2D-dimensional array and demonstrate aggregation functions sum (), min () and max () in the row and column wise.

10.
 - a) Write a python program to create a dictionary and check whether a key or value exist in the dictionary.
 - b) Write a python program to create one dimensional array and convert into a 2D-dimensional array using reshape (), print the first two columns alone using slicing.

Allocation Of Marks

SLN	Description	Marks
O		
1	Aim(05) Program from Part A (30)	35
2	Aim(05) Program from Part B (30)	35
3	Executing any one program (Part A or Part B)	15
4	Output	10
5	Viva Voce	05
	Total	100