



**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

SL.N O	Description	Marks
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
	<b>Total</b>	<b>100</b>