DIPLOMA IN COMPUTER ENGINEERING

CENTRALIZED QUESTION BANK

1052234440 - PYTHON PROGRAMMING

DIRECTORATE OF TECHNICAL EDUCATION GOVERNMENT OF TAMILNADU

DIPLOMA END SEMESTER / YEAR EXAMINATION – 2025

Course: Computer Engineering

Subject : Python Programming   **QP Code :**1052234440

Time :3 Hours   **Date :**   **Session:**   **Max Marks:**100

Answer the Following Questions

1. a) Writeapythonprogramtoreadthreenumbersandprintthegreatestofthree numbers.
    b) Writeapythonprogramtocreateonedimensionalarrayandconvertintoa2D- dimensional array usingreshape (), print the firsttwo 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 atuple and convert in 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.NO	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
	Total	**100**