



**DIPLOMA IN COMMUNICATION AND COMPUTER
NETWORKING**

CENTRALIZED QUESTION BANK

1052234440 - PYTHON PROGRAMMING

**DIRECTORATE OF TECHNICAL
EDUCATION GOVERNMENT OF
TAMILNADU**

DIPLOMA END SEMESTER / YEAR EXAMINATION – 2025

Course: Communication and Computer Networking

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 in to 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 the 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 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 an other 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 c s v 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 create a two-dimensional array and search for an element using the where() function.
- 7 a) Write a Python program to read three numbers and print the greatest of three numbers.

 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.
- 8 a) Write a Python program to read three numbers and print the greatest of three numbers.

- b) Write a Python program to read a text file and write the content into another file.
- 9 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.
- 10 a) Write a Python program to find the sum of N numbers using the range() function in a for loop.
- b) Write a Python program to create a one-dimensional array and convert it into a 2D-dimensional array using reshape(), print the first two columns alone using slicing.
- 11 a) Write a Python program to find the sum of N numbers using the range() function in a for loop.
- 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.
- 12 a) Write a Python program to find the sum of N numbers using the range() function in a for loop.
- b) Write a Python program to read a text file and write the content into another file.
- 13 a) Write a Python program to find the sum of N numbers using the range() function in a for loop.
- b) Write a Python program to read a CSV file using pandas and print the content.
- 14 a) Write a Python program to demonstrate string slicing, concatenation, replication, and the len() method.
- b) Write a Python program to create a one-dimensional array and convert it into a 2D-dimensional array using reshape(), print the first two columns alone using slicing.
- 15 a) Write a Python program to demonstrate string slicing, concatenation, replication, and the len() method.
- b) Write a Python program to create a two-dimensional array and search for an element using the where() function.
- 16 a) Write a Python program to demonstrate string slicing, concatenation, replication, and the len() method.
- b) Write a Python program to read a text file and write the content into another file.
- 17 a) Write a Python program to demonstrate string slicing, concatenation, replication, and the len() method.
- b) Write a Python program to read a CSV file using pandas and print the content.
- 18 a) Write a Python program to create a tuple and convert it into a list and print the list in sorted order.
- b) Write a Python program to create a one-dimensional array and convert it into a 2D-dimensional array using reshape(), print the first two columns alone using slicing.
- 19 a) Write a Python program to create a tuple and convert it into a list and print the list in

sorted order.

b) Write a Python program to create a two-dimensional array and search for an element using the where() function.

20 a) Write a Python program to create a tuple and convert it 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.

21 a) Write a Python program to create a tuple and convert it into a list and print the list in sorted order.

b) Write a Python program to read a CSV file using pandas and print the content.

22 a) Write a Python program to create a dictionary and check whether a key or value exists in the dictionary.

b) Write a Python program to create a one-dimensional array and convert it into a 2D-dimensional array using reshape(), print the first two columns alone using slicing.

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b) Write a Python program to create a two-dimensional array and search for an element using the where() function.

24 a) Write a Python program to create a dictionary and check whether a key or value exists in the dictionary.

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.

25 a) Write a Python program to create a dictionary and check whether a key or value exists in the dictionary.

b) Write a Python program to read a text file and write the content into another file.

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 anyone program (Part A or Part B)	15
4	Output	10
5	Viva Voce	05
Total		100