|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Reg. no |  |  |  |  |  |  |  |  |  |



SAVEETHA

**INSTITUTE OF MEDICAL AND TECHNICAL SCIENCES**

**March ‘18**

**B**

Course : B.E.

Subject Code : CS01812

Subject Name : Python Programming – Networking

Duration : 3 Hrs Max Marks : 100

**Answer all the questions**

**PART A (5 x 4 = 20)**

1. Write a python program to find the sum of the following series. x+x2+x3+x4…+ xn (4)
2. Write a python program to find the sum of all diagonal elements in a given matrix. (4)
3. Write a python program to find the greatest number in a list. (4)
4. Write a python program to count how many times the given character repeated in a file. (4)
5. Write a python program to accept and display username and password from the text box. (4)

**PART B (5 x 6 = 30)**

1. Write a python program to display integer into words. For example 514 should be displayed FIVE ONE FOUR (6)
2. Write a python program to shift the first digit into last. For example 1234 is converted into 2341.

(6)

1. Write a python program to display first two lowest numbers in a list.

For example the list contains 10, 20,5,13, 21. The output should be 5, 10. (6)

1. Write a python program to create 5 students marks using dictionary and find the pass/fail in each.

(6)

1. Write a python program to validate the text field of username and password. (6)

**PART C (5 x 10 = 50)**

1. a. Write a python program to find the discount of sale using the following table. (10)

|  |  |  |
| --- | --- | --- |
| S.NO | Amount range | Discount % |
| 1. | 1000 - 5000 | 5% |
| 2. | 5000 - 10000 | 20% |
| 3. | 10000 - 50000 | 30% |
| 4. | >50000 | 50% |

1. a. Write a python program to find the given number is Armstrong number or not?. (5)

b. Write a python program to find matrix multiplication. (5)

1. Write a python program to book the cinema ticket, which has the facility to book, cancel and display available tickets. (10)
2. Write a python program to read a file and count how many number of character, words and lines.

(10)

1. Write a python GUI program to insert the employee data into mysql database. (10)