resulting list add 'black' and 'blue' both at the end of colors list insert 'purple' at the end,

For a given list L = [100, 10, 50, 20, 80] find length L, biggest element of L, smallest element of L, sum of L and sort L. (10 Marks)

OR

- Write a program to find, separately sum of positive numbers and negative numbers for an 6 input array of n numbers. (07 Marks)
 - Write a program to search an element using linear search.

(07 Marks)

(06 Marks)

(08 Marks)

(06 Marks)

(10 Marks)

(10 Marks)

(08 Marks)

(06 Marks)

(06 Marks)

(10 Marks)

(06 Marks)

(04 Marks)

Write a program to multiply two matrices.

(06 Marks)

Module-4

- 7 a. Write a event driven python program for file operations Press
 - 1: to open file in read mode
 - 2 : Open the file in write mode
 - 3 : current position of the file pointer
 - 4. Reposition the pointer at the beginning

5: exit. (10 Marks)

b. Explain with example different techniques for reading files.

(10 Marks)

OR

- 8 a. Given set $A = \{0, 1, 2, 3, 4, 9\}$ and set $B = \{1, 3, 5, 7, 9\}$
 - Perform all set operations and show the output.

(10 Marks)

b. Write a program to invert a given dictionary bird_obs { 'canadagoose' :5' fulmar':1, 'jaegar':2, 'snowgoose' : 1} and display the inverted dictionary bird obs.

(10 Marks)

Module-5

- 9 a. Write an object oriented python program to create two Time objects and add those two time objects and display the sum of those two time objects using print time function. (08 Marks)
 - b. Write a python program to demonstrate inheritance.
 - c. Write a python program to demonstrate constructor and destructor.

(06 Marks) (06 Marks)

ΩŘ

10 a. Write a program to create frame and place labels in them.

(08 Marks)

b. Write a program to demonstrate the use of lambda function

(06 Marks)

c. Write a program to create simple menu driven [File – save, Quit] text editor.

(06 Marks)
