JAYPEE UNIVERSITY OF ENGINEERING & TECHNOLOGY, GUNA
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
Software Development Lab (18B17CI171)
B.Tech. (CSE/ECE/MECH/CE/CHE) Semester-I

Lab Experiment-13
C Programs: Pointers and Dynamic Memory Allocation

1. WAP to find sum of all the elements in an array using pointers.

2. WAP to sort an array using pointers.

3. WAP to that creates dynamic array and find greatest element in an array using pointers.

4. WAP to sort and merge two arrays and store it into third array. Create dynamic arrays and use pointers.

5. WAP to read and write a 2-D array using pointers.

6. WAP that creates 2-D array dynamically and transpose a matrix using pointers.

7. WAP to input two matrices from the user. Perform the following functions on the matrices using pointers :
   ☐ Addition.
   ☐ Subtraction.
   ☐ Multiplication.
   Make the program menu driven.

8. WAP to reverse a string using pointers.

9. WAP to concatenate two strings using malloc and pointers.

10. WAP to find length of a given string using pointer.

11. WAP to compare two strings using pointers.

12. Write a program that will read a line and delete from it all occurrences of the word 'the' using pointers.