# THADOMAL SHAHANI ENGINEERING COLLEGE
# DEPARTMENT OF INFORMATION TECHNOLOGY

## PT-2 QB : C Programming

### Semester: Even sem. (2021-22)

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| 1 | WAP to find value of y using recursive function.<br>  Where,<br>    $Y = X \char`\^ n$ |
| 2 | WAP to Compute sum of n numbers using recursive function. |
| 3 | Write a program to reverse a number using functions. |
| 4 | Write a menu driven program to perform arithmetic operations on two integers. The menu should be repeated until user selects 'STOP' option. Program should have independent user defined functions for each operation. |
| 5 | WAP to find factorial of a number using functions. |
| 6 | WAP to a reverse a string without using string.h header file. |
| 7 | Explain the following string.h functions with examples<br><br>i) strcat( )     ii) srtcpy( )      iii) strlen( ) |
| 8 | What are referencing and de-referencing operators in C. |
| 9 | WAP to implement linear search to search a number in an Array. |
| 10 | WAP to sort an array. |
| 11 | WAP to transpose a Matrix, use function transpose( ) to do this operation. |
| 12 | WAP to multiply two Matrix, use function multiply( ) to do this operation. |

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( Subject Teacher )