## CER3C3 Data Structures
## Class Test 2

**Duration – 70 Mins.**                                                                 **MM – 20**

**Note : Attempt all questions. Make suitable assumptions, if necessary.**

**#1**     Implement double ended queue (deque) using a one dimensional array. You need to write additions and deletions which may be done at either end.

#2     You must be familiar with Sudoku puzzle. You need to provide a solution for generating a Sudoku puzzle (with some empty cells). You can provide a procedure/logic/pseudo code etc.

#3     Write an algorithm to transform from prefix expression to postfix.

#4     You have been provided a linked list P. Each node stores a character. You need to write a function Palindrome which detects whether string or word formed using all nodes is a palindrome or not.