**Mid Sem ADS Questions**

Define Data structure, Algorithm, Program and evaluate an algorithm with an example based on time

Explain MergeSort with example 0(n log n)

Write the IsMember() function BST and draw a BST for give example 50 55 60 20 30 35 45 15 70 85 90 and reconstruct a tree after deleting 85

Search element in stack using queue and replace the stack to its original shape

Store the student details name, reg no, marks, program and write the method to find the max marks scored student with 0(1) time complexity