



**K. J. Somaiya Institute of Technology, Sion, Mumbai-22**  
**(Autonomous College Affiliated to University of Mumbai)**

Nov - Dec 2025

(B. Tech.) Program: Computer Engineering Scheme III  
Regular Examination: SY Semester: III

Course Code: CEC302 and Course Name: Data structure

Duration: 02.5 Hours

Max. Marks: 60

Date of Exam: 27/11/25

b)	Write algorithm to perform the following operation on Doubly linked list i) Insert node at the beginning ii) Delete node at the beginning	CO3	U
		CO6	A <sup>2</sup>
c)	Write an algorithm for Binary search. Show step to find out 14 using binary search in the given array 11 12 14 46 57		

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