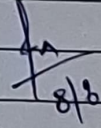
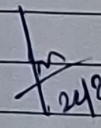
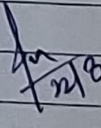
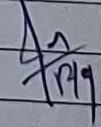


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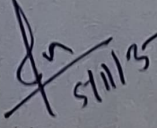
Year and Course T.Y. , Btech PRN No.: 123B1F020

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Sr. No.	Title	Page No.	Date	Signature	Remarks
1.	Implement merge sort to efficiently organize large scale orders based on timestamp.	—	11/7/25		②
2.	Implement QuickSort to enhance personalized movie ranking and improve responsiveness.	—	25/7/25		②
3.	Emergency Relief supply optimization - Implement the fractional knapsack algorithm to maximize utility value within given weight constraints.	—	8/8/25		②
4.	Smart Traffic Management - Implement Dijkstra's algorithm to determine the optimal ambulance route under dynamic traffic conditions.	—	22/8/25		②

This is certify that Shri. Chaitanya Kailas Deore has carried out the above mentioned DAA Practicals / Term Work in the Information Technology Department of Pimpri Chinchwad College of Engineering, Pune-44.

Date: 5/11/25


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5.	Optimal Delivery Routing- Implement DP to identify cost effective delivery paths.	—	12/9/25	<u>for</u> 19/9	②
6.	Disaster Relief Resource Allocation-use 0/1 knapsack approach to optimize essential supply allocation within capacity limits.	—	13/9/25	<u>for</u> 3/10	②
7.	University Exam timetable scheduling- Implement Graph colouring techniques to generate conflict free and efficient timetables.	—	3/10/25	<u>for</u> 31/10	②
8.	Delivery Route Optimization -apply the branch and bound algorithm to determine the least cost delivery route across cities.	—	31/10/25	<u>for</u> 5/11	②

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 above mentioned DAA Practicals / Term Work
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