

No. of Printed Pages : 05

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B. Tech. Examination 2021-22

(Even Semester)

DESIGN & ANALYSIS OF ALGORITHMS*Time : Three Hours]**[Maximum Marks : 60***Note :-** Attempt all questions.**SECTION - A**

1. Attempt all parts of the following : 8 × 1 = 8
- (a) What is an algorithm? Define.
 - (b) Describe in details about asymptotic notations.
 - (c) Write best, average and worst case time complexity of quick sort.
 - (d) What is the concept of randomized algorithm?
 - (e) Differentiate between backtracking and branch and bound methods.