

## DAA LAB VIVA QUESTIONS

### \*\*\*\*\*SET I\*\*\*\*\*

#### 1. What is an algorithm?

An algorithm is a sequence of unambiguous instructions for solving a problem. i.e., for obtaining a required output for any legitimate input in a finite amount of time

#### 2. What are important problem types? (or) Enumerate some important types of problems.

1. Sorting
2. Searching
3. Numerical problems
4. Geometric problems
5. Combinatorial Problems
6. Graph Problems
7. String processing Problems

#### 3. Name some basic Efficiency classes

1. Constant
2. Logarithmic
3. Linear
4.  $n \log n$
5. Quadratic
6. Cubic
7. Exponential
8. Factorial

#### 4. What are algorithm design techniques?

Algorithm design techniques ( or strategies or paradigms) are general approaches to solving problems algorithmically, applicable to a variety of problems from different areas of computing. General design techniques are:

- (i) Brute force
- (ii) divide and conquer
- (iii) decrease and conquer
- (iv) transform and conquer
- (v) greedy technique
- (vi) dynamic programming
- (vii) backtracking
- (viii) branch and bound

#### 5. How is an algorithm's time efficiency measured?

Time efficiency indicates how fast the algorithm runs. An algorithm's time efficiency is measured as a function of its input size by counting the number of times its basic operation

# Ada Viva Questions

**Deepika Mehra**



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**Conservative Dentistry: Viva Guide & Clinical Notes** Deepika Mehra, 2025-10-14 Conservative Dentistry Viva Guide Clinical Notes A complete revision manual for BDS MDS students covering cavity classification instruments cast restorations and viva ready mnemonics Author Dr Deepika Mehra Perfect for dental students preparing for exams or interviews Includes 100 viva questions Concise notes with diagrams Ideal for quick last minute prep

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**ADA World** Americans for Democratic Action, 1974

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personal experience in the first century Roman world and that Artemis was getting in the way

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