1. A/An _____ can be defined as a finite set of steps.

Select one:

connector

program

Algorithm (ANS)

Process

2. Which of the following is Not an advantage of algorithms?

Select one:

It is a challenging task to understand complex logic through algorithms (ANS)

Easy Debugging

effective communication

easy and efficient coding

3. Which of the following is a feature or characteristics of Algorithm?

Select one:

flexibility

feasible

input

All of the options (ANS)

4. _____ is an algorithmic technique for solving an optimization problem by breaking it down into simpler subproblems.

Select one:

Backtracking

greedy technique

Divide and conquer approach

5.Why is an algorithm needed in designing a program?

Select one:

All of the options (ANS)

To improve the efficiency of existing techniques

To understand the basic idea of the problem

To understand the flow of the problem

6. _____ Notation is a way of comparing function that ignores constant factors and small input sizes.

Select one:

Symiotic

Asynchronous

Asymptotic (ANS)

None of the options

7. _____ is a method of solving a problem where the solution depends on solutions to smaller instances of the same problem.

Select one:

random

direct technique

recursion (ANS)

indirect technique

8. An algorithm that employs a degree of randomness as part of its logic or procedure

Select one:

Dynamic Programming

Backtracking

randomized algorithm (ANS)

Loopy technique

9. The following is a list of several popular design approaches of Algorithms Except?

Select one:

static programming (ANS)

Backtracking

Greedy technique

Dynamic Program

10. _____ refers to an informal high-level description of the operating principle of a computer program.

Select one:

Pseudocode (ANS)

algorithm

software

Program