

## Computer Science 6th Class Chapter 4 English Medium Online Test

Sr	Questions	Answers Choice
1	The purpose of decomposition in algorithmic thinking is to	A. Solve a specific problem B. Design new and improved systems C. Break down complicated problems into smaller problems D. Identify the sequence of operations
2	What is the primary benefit of using algorithmic thinking in problem solving.	A. Faster problem solving B. Improved confidence in decision making C. Increased efficiency in processing data D. All of the above
3	What type of flow is used to print a table of given number up to 10.	A. Sequential flow B. Conditional flow C. Repetitive flow D. None of the above
4	What is the goal of problem-solving.	A. To generate appropriate solutions B. To identify the problem C. To test the solution D. To plan the solution
5	Which of the following is NOT a benefit of algorithmic thinking.	A. Decomposition B. Abstraction and Generalization C. Visualization D. Pattern Recognition
6	The first step in the systematic problem-solving process is.	A. Problem analysis B. Problem definition C. Identifying the problem D. Selecting the best solution
7	Thinking the domain of problem and ignoring irrelevant material is called.	A. Algorithmic design B. Pattern identification C. Problem decomposition D. Abstraction
8	Every algorithm has..... and .....	A. Loop, condition B. Start, stop C. finite, infinite loops D. Sequence, conditions
9	----- is process of defining and decomposing of a problem.	A. Problem analysis B. Planning solution C. Problem identification D. test solution
10	Breaking down a big problem into smaller problems is called.	A. Problem identification B. Problem decomposition C. Planning solution D. Selecting best solution
11	In..... flow , set of statements are executed again and again until a certain condition remains true.	A. Repetitive B. Sequential C. Conditional D. None
12	The main goal of the pasta recipe problem analysis is to determine the	A. Size of matrix B. Solution of maze C. Ingredients of pasta D. Starting and ending points of the maze
13	What is the purpose of planning a solution to a problem.	A. To minimize the risk of failure B. To ensure a successful execution C. To determine the most ideal solution D. Both A and B
		A. A series of systematic and logical steps B. A way of solving a specific problem

14	What is the process of algorithmic thinking.	C. A process without clear instructions D. A way of breaking down problem into smaller problems.
15	What is the result of an unclearly defined problem.	A. It requires guess work B. It is easily solvable C. It contains ambiguity D. It has a clear goal
16	In flow, steps will be executed in the same sequence they are written in.	A. Repetitive B. Conditional C. Sequential D. None
17	What does algorithmic thinking provide a unique way to solve.	A. Problems is general B. A specific problem C. A new and improved system D. Irrelevant detail
18	What is the goal of defining a problem.	A. To make it more complex B. To add ambiguity C. To make it more simple and clear D. To make it impossible to solve
19	First step of systematic process of problem solving is.	A. Problem analysis B. Planning solution C. Problem identification D. Test solution
20	What is the final step in the systematic problem-solving process.	A. Problem definition B. Problem analysis C. Planning solution D. Selecting the best solution