

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

Sr	Questions	Answers Choice
1	First step of systematic process of problem solving is.	A. Problem analysis B. Planning solution C. Problem identification D. Test solution
2	----- is process of defining and decomposing of a problem.	A. Problem analysis B. Planning solution C. Problem identification D. test solution
3	Breaking down a big problem in to smaller problems is called.	A. Problem identification B. Problem decomposition C. Planning solution D. Selecting best solution
4	Looking for similarities among the problems is called.	A. Algorithmic design B. Pattern identification C. Abstraction D. Problem decomposition
5	Thinking the domain of problem and ignoring irrelevant material is called.	A. Algorithmic design B. Pattern identification C. Problem decomposition D. Abstraction
6	----- is finite sequence of instruction to solve a specific problem.	A. Unspecified instructions B. Specific instructions C. Algorithm D. None
7	Every algorithm has..... and .....	A. Loop, condition B. Start, stop C. finite, infinite loops D. Sequence, conditions
8	In flow , steps will be executed in the same sequence they are written in.	A. Repetitive B. Conditional C. Sequential D. None
9	In..... flow steps are executed only if certain condition is true.	A. Repetitive B. Sequential C. Conditional D. None
10	In..... flow , set of statements in executed again and again until a certain condition remains true.	A. Repetitive B. Sequential C. Conditional D. None
11	What is a problem is problem-solving.	A. A task to be performed B. A situation to be analyzed C. A solution to be selected D. A plan to be implemented
12	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
13	How many steps are there in the problem solving process.	A. 4 B. 5 C. 6 D. 7
14	What is the fifth step, in the problem-solving process.	A. Test the solution B. Selecting the best solution C. Problem analysis D. Planning solution
15	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
16	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
17	What is the process of figuring out the 5 Ws from the problem statement.	A. Problem identification B. Problem definition C. Problem analysis D. Deconstruction
18	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
19	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
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
21	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
22	What can alternate solutions enhance in regard to a problem.	A. The value of the ideal solution B. The result that should be achieved C. The risk of failure D. The difficulty level of the solution.
23	What are the two directions in which a robot can move in a maze problem.	A. Forward and down B. Up and left C. Right and down D. Forward and back
24	A problem is considered easy when it.	A. Requires a lot of resources to solve. B. Requires a lot of time to solve C. Can be solved in simple steps, even if it is large D. Is not possible to solve.
25	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
26	What is the process of algorithmic thinking.	A. A series of systematic and logical steps B. A way of solving a specific problem C. A process without clear instructions D. A way of breaking down problem into smaller problems.
27	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
28	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
29	What is the purpose of the "modulus" operation in an algorithm	A. To store values in a variable B. To determine the remainder of a division C. To compare two numbers D. To perform arithmetic operations
30	Which of the following is NOT a benefit of algorithmic thinking.	A. Decomposition B. Abstraction and Generalization C. Visualization D. Pattern Recognition
		A. Sequential flow

31 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

32 What is the main purpose of an algorithm.

- A. To store information
- B. To solve a specific problem
- C. To perform a specific task
- D. To automate the decision making process

33 What is the final step in most algorithms.

- A. Start
- B. Input
- C. Output
- D. Stop