

## Computer Science Ics Part 1 Online Test

Sr	Questions	Answers Choice
1	Which stateemnt allows checking multiple conditions in order.	<p>A. <code>&lt;p&gt;if&lt;/p&gt;</code>            B. <code>&lt;p&gt;'if-elif-else'&lt;/p&gt;</code>            C. <code>&lt;p&gt;short -had if else&lt;/p&gt;</code>            D. <code>&lt;p&gt;'if -else'&lt;/p&gt;</code></p>
2	Which is an NP complete problem.	<p>A. <code>&lt;p&gt;Sorting&amp;nbsp;&lt;/p&gt;</code>            B. <code>&lt;p&gt;Knapsack&lt;/p&gt;</code>            C. <code>&lt;p&gt;GCD finding&lt;/p&gt;</code>            D. <code>&lt;p&gt;Binary search&lt;/p&gt;</code></p>
3	Which algorithm is used for predicting numerical values.	<p>A. <code>&lt;p&gt;Logistic regression&amp;nbsp;&lt;/p&gt;</code>            B. <code>&lt;p&gt;Linear regression&lt;/p&gt;</code>            C. <code>&lt;p&gt;k-means clustering&lt;/p&gt;</code>            E. <code>&lt;p&gt;Decision tree&lt;/p&gt;</code></p>
4	If you have a list f{Apple"banana". "cherry ")ruits = l" what is fruit (1)	<p>A. <code>&lt;p&gt;Apple&lt;/p&gt;</code>            B. <code>&lt;p&gt;Banana&lt;/p&gt;</code>            C. <code>&lt;p&gt;Cherry&lt;/p&gt;</code>            D. <code>&lt;p&gt;Error&lt;/p&gt;</code></p>
5	Which event in Pakistan showed the need for data protection.	<p>A. <code>&lt;p&gt;Growth of Daraz&lt;/p&gt;</code>            B. <code>&lt;p&gt;NADRA data leak&lt;/p&gt;</code>            C. <code>&lt;p&gt;Rise of smartphones&lt;/p&gt;</code>            D. <code>&lt;p&gt;Better internet&lt;/p&gt;</code></p>
6	Which principle avoids fakeor capied data.	<p>A. <code>&lt;p&gt;Integrity&lt;/p&gt;</code>            B. <code>&lt;p&gt;Privacy&lt;/p&gt;</code>            C. <code>&lt;p&gt;Speed&lt;/p&gt;</code>            D. <code>&lt;p&gt;Cost&lt;/p&gt;</code></p>
7	The posotive societa impact of computing system.	<p>A. <code>&lt;p&gt;Spread of misinformation&lt;/p&gt;</code>            B. <code>&lt;p&gt;Improveedinformation accessibility&lt;/p&gt;</code>            C. <code>&lt;p&gt;Heightened privacy concerns&lt;/p&gt;</code>            D. <code>&lt;p&gt;Widened tehnoology ga.&lt;/p&gt;</code></p>
8	Why are commonly used algorithms important.	<p>A. <code>&lt;p&gt;Reduce hardware cost&lt;/p&gt;</code>            B. <code>&lt;p&gt;Solve common Problems efficiently&lt;/p&gt;</code>            C. <code>&lt;p&gt;Remvoe need for data structure&lt;/p&gt;</code>            D. <code>&lt;p&gt;For theory only&lt;/p&gt;</code></p>
9	Which operator is used for exponentiation.	<p>A. <code>&lt;p&gt;*&lt;/p&gt;</code>            B. <code>&lt;p&gt;*&lt;/p&gt;</code>            C. <code>&lt;p&gt;//&lt;/p&gt;</code>            D. <code>&lt;p&gt;%&lt;/p&gt;</code></p>
10	Why are primitive computationl structures important in computer sciecne.	<p>A. <code>&lt;p&gt;They reduce memory&lt;/p&gt;</code>            B. <code>&lt;p&gt;They for all software&lt;/p&gt;</code>            C. <code>&lt;p&gt;Only for web dev&lt;/p&gt;</code>            D. <code>&lt;p&gt;Increase hardware cost&lt;/p&gt;</code></p>
11	What is Object -Oriented programming (OOP)?	<p>A. <code>&lt;p&gt;Code with functions&lt;/p&gt;</code>            B. <code>&lt;p&gt;Code with classes and objects&lt;/p&gt;</code>            C. <code>&lt;p&gt;Single file coding&lt;/p&gt;</code>            D. <code>&lt;p&gt;Procedural programming&lt;/p&gt;</code></p>
12	What does virtualization allow a single compuer to do?	<p>A. <code>&lt;p&gt;Run slower&lt;/p&gt;</code>            B. <code>&lt;p&gt;Act like multiple computers&lt;/p&gt;</code>            C. <code>&lt;p&gt;Replace the intenet&lt;/p&gt;</code>            D. <code>&lt;p&gt;Delete files permanently&lt;/p&gt;</code></p>
13	How can business solutions impact efficiency.	<p>A. <code>&lt;p&gt;Increatee costs&lt;/p&gt;</code>            B. <code>&lt;p&gt;Solve problems&lt;/p&gt;</code>            C. <code>&lt;p&gt;Limit inventory&lt;/p&gt;</code>            D. <code>&lt;p&gt;Reduce staff&lt;/p&gt;</code></p>
14	What is a key advantage of using modules.	<p>A. <code>&lt;p&gt;Harder to read&lt;/p&gt;</code>            B. <code>&lt;p&gt;Easier maintenance&lt;/p&gt;</code>            C. <code>&lt;p&gt;No comments&lt;/p&gt;</code>            D. <code>&lt;p&gt;Fewer functions&lt;/p&gt;</code></p>

15	What is the result of $3^{**}2$ ?	A. $6$ B. $5$ C. $8$ D. $9$
16	What is the result of dividing by zero in Python	A. Returns zero B. Raises an error C. Returns infinity D. Terminates the program
17	What does 'lambda x :x * 2 " do ?	A. Defines a recursive function B. Creates an anonymous function C. Raises an error D. Defines a class
18	What role does prototyping play	A. Finalizes the product B. Prelaces testing C. Focuses on marketing D. Visualizes ideas quickly
19	What is a leaf node.	A. A node with many children B. A node with one child C. A node with no children D. A node with no parent
20	For which problems is Backtracking suitable	A. Optimal substructure B. Explore all combinations C. One optimal choice D. No overlapping problems