

## Computer Science Ics Part 1 Online Test

Sr	Questions	Answers Choice
1	Which real life example represents an undirected graph.	<p>A. &lt;p&gt;Twitter followers&lt;/p&gt;            B. &lt;p&gt;Facebook friendships&lt;/p&gt;            C. &lt;p&gt;On way streets&lt;/p&gt;            D. &lt;p&gt;Email spam links&lt;/p&gt;</p>
2	A loop used to iterate over a collection such as lists is.	<p>A. &lt;p&gt;for&lt;/p&gt;            B. &lt;p&gt;repeat&lt;/p&gt;            C. &lt;p&gt;while&lt;/p&gt;            D. &lt;p&gt;do while&lt;/p&gt;</p>
3	How does OOP make code scalable	<p>A. &lt;p&gt;One class only&lt;/p&gt;            B. &lt;p&gt;Easy modifications&lt;/p&gt;            C. &lt;p&gt;Fewer objects&lt;/p&gt;            D. &lt;p&gt;Avoids functions&lt;/p&gt;</p>
4	Which of the following is a quality assurance activity.	<p>A. &lt;p&gt;Coding&lt;/p&gt;            B. &lt;p&gt;Code review and testing&lt;/p&gt;            C. &lt;p&gt;Marketing&lt;/p&gt;            D. &lt;p&gt;Hiring&lt;/p&gt;</p>
5	What is collaborative problem solving.	<p>A. &lt;p&gt;Working alone&lt;/p&gt;            B. &lt;p&gt;Solving problems with others and tech&lt;/p&gt;            C. &lt;p&gt;Avoiding tasks&lt;/p&gt;            D. &lt;p&gt;Copying others&lt;/p&gt;</p>
6	Knowing if a problem is solvable helps.	<p>A. &lt;p&gt;Increase complexity&lt;/p&gt;            B. &lt;p&gt;Save time&lt;/p&gt;            C. &lt;p&gt;Generate random output&lt;/p&gt;            D. &lt;p&gt;Avoid design&lt;/p&gt;</p>
7	What is the purpose of savings for a business.	<p>A. &lt;p&gt;To increase expenses&lt;/p&gt;            B. &lt;p&gt;To set aside money for future needs&lt;/p&gt;            C. &lt;p&gt;To reduce revenue&lt;/p&gt;            D. &lt;p&gt;To pay off debts&lt;/p&gt;</p>
8	Which step tests how well the model performs.	<p>A. &lt;p&gt;Model development&lt;/p&gt;            B. &lt;p&gt;Model evaluation&lt;/p&gt;            C. &lt;p&gt;Model training&lt;/p&gt;            D. &lt;p&gt;Model deployment&lt;/p&gt;</p>
9	Solvable problems differ because they.	<p>A. &lt;p&gt;Take exponential time&lt;/p&gt;            B. &lt;p&gt;Need better hardware&lt;/p&gt;            C. &lt;p&gt;Halt with a result&lt;/p&gt;            D. &lt;p&gt;Have no input&lt;/p&gt;</p>
10	How can online research help professionals.	<p>A. &lt;p&gt;By watching shows&lt;/p&gt;            B. &lt;p&gt;By staying updated in their field&lt;/p&gt;            C. &lt;p&gt;By chatting&lt;/p&gt;            D. &lt;p&gt;By playing games&lt;/p&gt;</p>
11	Which SDLC phase creates visual models of the system.	<p>A. &lt;p&gt;Design&lt;/p&gt;            B. &lt;p&gt;Requirement&lt;/p&gt;            C. &lt;p&gt;Coding&lt;/p&gt;            D. &lt;p&gt;Testing&lt;/p&gt;</p>
12	How can you avoid plagiarism	<p>A. &lt;p&gt;Give credit to original authors&lt;/p&gt;            B. &lt;p&gt;Copy text directly&lt;/p&gt;            C. &lt;p&gt;Hide sources&lt;/p&gt;            D. &lt;p&gt;Use others accounts&lt;/p&gt;</p>
13	What does 'lambda x : x * 2' do ?	<p>A. &lt;p&gt;Defines a recursive function&lt;/p&gt;            B. &lt;p&gt;Creates an anonymous function&lt;/p&gt;            C. &lt;p&gt;Raises an error&lt;/p&gt;            D. &lt;p&gt;Defines a class&lt;/p&gt;</p>
14	Which is an example of O (log n) complexity.	<p>A. &lt;p&gt;Sorting numbers&lt;/p&gt;            B. &lt;p&gt;Pair comparison&lt;/p&gt;            C. &lt;p&gt;Binary search&lt;/p&gt;            D. &lt;p&gt;Insertion sort&lt;/p&gt;</p>

		D. <p>Linear search</p>
15	What are expenses.	A. <p>total earnings from sales</p> B. <p>Costs incurred while operating</p> C. <p>Money saved for future needs</p> D. <p>Interest on loans</p>
16	What is clustering used for.	A. <p>Making predictions</p> B. <p>Grouping similar items</p> C. <p>Calculating probabilities</p> D. <p>Finding averages</p>
17	Which activity happens during the Execution phase.	A. <p>Gathering requirements</p> B. <p>Writing code and building software</p> C. <p>Planning timeline</p> D. <p>Testing software</p>
18	A loyalty program offers rewards. This aims to.	A. <p>Retain customers</p> B. <p>Discourage customers</p> C. <p>Lower quality</p> D. <p>Ignore preferences</p>
19	Block chain can make elections more secure by	A. <p>Allowing paper ballots</p> B. <p>Making votes unchangeable</p> C. <p>Letting anyone vote</p> D. <p>Removing voters</p>
20	Which method allows researchers to understand cause and effect relationships	A. <p>Survey</p> B. <p>Observation</p> C. <p>Experiment</p> D. <p>Focus group</p>