

## Computer Science Ics Part 1 Online Test

Sr	Questions	Answers Choice
1	What is the role of UML in software development.	<p>A. &lt;p&gt;Writing code&lt;/p&gt;</p> <p>B. &lt;p&gt;Visualizing system design&lt;/p&gt;</p> <p>C. &lt;p&gt;Managing team communication&amp;nbsp;&lt;/p&gt;</p> <p>D. &lt;p&gt;Deploying software&lt;/p&gt;</p>
2	Salesforce is best known as a provider of	<p>A. &lt;p&gt;IaaS&amp;nbsp;&lt;/p&gt;</p> <p>B. &lt;p&gt;SaaS&lt;/p&gt;</p> <p>C. &lt;p&gt;PaaS&lt;/p&gt;</p> <p>D. &lt;p&gt;SaaS&lt;/p&gt;</p>
3	What is unique selling point.	<p>A. &lt;p&gt;To understand why customers prefer a rival bakery. Which method is best.&lt;/p&gt;</p> <p>B. &lt;p&gt;Survey&lt;/p&gt;</p> <p>C. &lt;p&gt;Focus group&lt;/p&gt;</p> <p>D. &lt;p&gt;Observation&lt;/p&gt;</p> <p>E. &lt;p&gt;Guesswork&lt;/p&gt;</p>
4	What is the dequeue operation in a queue.	<p>A. &lt;p&gt;Removing an item from the front&lt;/p&gt;</p> <p>B. &lt;p&gt;Adding an item to the back&lt;/p&gt;</p> <p>C. &lt;p&gt;Sorting the queue&lt;/p&gt;</p> <p>D. &lt;p&gt;Copying the queue&lt;/p&gt;</p>
5	Which type of research involves gathering basic knowledge about a topic.	<p>A. &lt;p&gt;Market research&lt;/p&gt;</p> <p>B. &lt;p&gt;Academic research&lt;/p&gt;</p> <p>C. &lt;p&gt;General information research&lt;/p&gt;</p> <p>D. &lt;p&gt;Health research&lt;/p&gt;</p>
6	What is the main function in Python?	<p>A. &lt;p&gt;Background functions&lt;/p&gt;</p> <p>B. &lt;p&gt;Starting point&lt;/p&gt;</p> <p>C. &lt;p&gt;Imports modules&lt;/p&gt;</p> <p>D. &lt;p&gt;Error handler&lt;/p&gt;</p>
7	What does an if statement do?	<p>A. &lt;p&gt;Repeatss code many time&lt;/p&gt;</p> <p>B. &lt;p&gt;Executes code only if a condition is true&lt;/p&gt;</p> <p>C. &lt;p&gt;always runs the else block&lt;/p&gt;</p> <p>D. &lt;p&gt;Skips all conditions&lt;/p&gt;</p>
8	Which SDLC phase involves installing the software for users.	<p>A. &lt;p&gt;Testing&lt;/p&gt;</p> <p>B. &lt;p&gt;Coding&lt;/p&gt;</p> <p>C. &lt;p&gt;Deployment&lt;/p&gt;</p> <p>D. &lt;p&gt;Maintenance&lt;/p&gt;</p>
9	Which is solved by Dynamic programming.	<p>A. &lt;p&gt;Coin Change&lt;/p&gt;</p> <p>B. &lt;p&gt;Fibonacci sequence&lt;/p&gt;</p> <p>C. &lt;p&gt;Merge sort&lt;/p&gt;</p> <p>D. &lt;p&gt;Puzzle solving&lt;/p&gt;</p>
10	A loop used to iterate over a collection such as lists is.	<p>A. &lt;p&gt;for&lt;/p&gt;</p> <p>B. &lt;p&gt;repeat&lt;/p&gt;</p> <p>C. &lt;p&gt;while&lt;/p&gt;</p> <p>D. &lt;p&gt;do while&lt;/p&gt;</p>
11	Which is a way to bridge the digital divide.	<p>A. &lt;p&gt;Increases data prices&lt;/p&gt;</p> <p>B. &lt;p&gt;Build internet infrastructure&lt;/p&gt;</p> <p>C. &lt;p&gt;Stop online education&amp;nbsp;&lt;/p&gt;</p> <p>D. &lt;p&gt;Limit phone use&lt;/p&gt;</p>
12	What is storytelling.	<p>A. &lt;p&gt;A method of writing&lt;/p&gt;</p> <p>B. &lt;p&gt;Creating a narrative to engage an audience&lt;/p&gt;</p> <p>C. &lt;p&gt;A form of debate&lt;/p&gt;</p> <p>D. &lt;p&gt;A way to summarize information&amp;nbsp;&lt;/p&gt;</p>
13	Which concept allows automatic increase or decrease in resources based on demand.	<p>A. &lt;p&gt;Virtualization&amp;nbsp;&lt;/p&gt;</p> <p>B. &lt;p&gt;Scalability&lt;/p&gt;</p> <p>C. &lt;p&gt;Encryption&lt;/p&gt;</p>

		D. <p>Decentralization</p>
14	What will be the output of $(3+2) * 2$ ?	A. <p>6</p> B. <p>7</p> C. <p>10</p> D. <p>8</p>
15	Which of the following best describes primitive computational structures.	A. <p>Advanced tools</p> B. <p>Complex Algorithms</p> C. <p>Basic building blocks of computing</p> D. <p>High level data types</p>
16	Which UML diagram shows how users interact with the system.	A. <p>Class diagram</p> B. <p>Use case diagram</p> C. <p>sequence diagram</p> D. <p>Activity Diagram</p>
17	Why are commonly used algorithms important.	A. <p>Reduce hardware cost</p> B. <p>Solve common problems efficiently</p> C. <p>Remove need for data structures</p> D. <p>for theory only</p>
18	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>
19	What is the main purpose of programming.	A. <p>To watch videos</p> B. <p>To create instructions for a computer</p> C. <p>To draw pictures</p> D. <p>To send emails</p>
20	A bakery owner wants to redesign packaging. Which stage involves observing customer reactions to current design.	A. <p>Empathize</p> B. <p>Prototype</p> C. <p>Ideate</p> D. <p>Define</p>