

Computer Science Ics Part 1 Online Test

Sr	Questions	Answers Choice
1	What is the purpose of source code repositories.	<p>A. To write code</p> <p>B. To store and track code changes</p> <p>C. To compile code</p> <p>D. To deploy applications</p>
2	Why is the Waterfall model not suitable for dynamic projects.	<p>A. It requires too many resources</p> <p>B. It follows a rigid, linear approach</p> <p>C. It lacks documentation</p> <p>D. It is outdated</p>
3	The operation used to combine two lists in Python.	<p>A. Combine ()</p> <p>B. Concat()</p> <p>C. +</p> <p>D. merge ()</p>
4	Why is pitchign important for entrepreneurs.	<p>A. It helps in product development</p> <p>B. It secures support and funding</p> <p>C. It focuses on market analysis</p> <p>D. It limits competition</p>
5	Why should we use meaningful variable names.	<p>A. To make code shorter</p> <p>B. To increase program speed</p> <p>C. To improve readability and understanding</p> <p>D. To hide data from others</p>
6	What does spyware do.	<p>A. Blocks ads</p> <p>B. Secures passwords</p> <p>C. Filters emails</p> <p>D. Tracks online activity secretly</p>
7	An essential component of ethical research	<p>A. Collecting data regardless of participant Privacy</p> <p>B. Avoiding plagiarism and giving proper credit</p> <p>C. Publishing only positive results</p> <p>D. Ignoring consent if research is important</p>
8	What does the '=' operator check.	<p>A. Greater than</p> <p>B. Equality</p> <p>C. Less than</p> <p>D. Assignment</p>
9	Which operator is used for exponentiation.	<p>A. **</p> <p>B. *</p> <p>C. //</p> <p>D. %</p>
10	How does Divide and conquer work.	<p>A. Make local choices</p> <p>B. Break, solve, combine</p> <p>C. Store subproblem results</p> <p>D. Try allocations, backtrack</p>
11	A bank may use this type of cloud to store sensitive customer data	<p>A. Public cloud</p> <p>B. Private cloud</p> <p>C. multi cloud</p> <p>D. Shared cloud</p>
12	What does virtualization allow a single computer to do?	<p>A. Run slower</p> <p>B. Act like multiple computers</p> <p>C. Replace the internet</p> <p>D. Delete files permanently</p>
		<p>A. LIFO</p>

13	Which principle does a queue follow.	<p>B. FIFO</p> <p>C. FILO</p> <p>D. Random access</p>
14	What can a good pitch help you achieve.	<p>A. Increase competition</p> <p>B. Turn your idea into reality</p> <p>C. Limit customer feedback</p> <p>D. Reduce marketing costs</p>
15	What is the key difference between a tuple and a list.	<p>A. Mutable vs immutable</p> <p>B. Variable declaration</p> <p>C. Data type</p> <p>D. Syntax</p>
16	What is a graph in data structures.	<p>A. A linear structure</p> <p>B. A hierarchical structure</p> <p>C. A set of vertices connected by edges.</p> <p>D. A type of array</p>
17	What is the shorthand version of if-else written in one line called?	<p>A. Compact loop</p> <p>B. Ternary operator</p> <p>C. Short function</p> <p>D. Inline comment</p>
18	Which is a Greedy Algorithm example	<p>A. Fibonacci sequence</p> <p>B. Coin change</p> <p>C. Merge sort</p> <p>D. Puzzle solving</p>
19	A collaborative storytelling activity builds.	<p>A. Blame</p> <p>B. Teamwork</p> <p>C. Isolation</p> <p>D. Silence</p>
20	A valid variable name in Python is	<p>A. Variable</p> <p>B. Variable</p> <p>C. Variable name</p> <p>D. Variable name</p>