

Computer Science Ics Part 1 Online Test

Sr	Questions	Answers Choice
1	What does breaking a program into modules promote.	<p>A. <p>Code duplication</p></p> <p>B. <p>Code reuse</p></p> <p>C. <p>Increased complexity</p></p> <p>D. <p>Longer development</p></p>
2	Self driving cars benefit from edge computing because it .	<p>A. <p>Increases delay</p></p> <p>B. <p>Reduces response time</p></p> <p>C. <p>Slows down decisions</p></p> <p>D. <p>Needs more drivers</p></p>
3	A principle of Design Thinking is.	<p>A. <p>Focusing on profits</p></p> <p>B. <p>Human centered approach</p></p> <p>C. <p>Minimizing risks</p></p> <p>D. <p>Emphasizing short term gains</p></p>
4	What is digital citizenship	<p>A. <p>Using only social media</p></p> <p>B. <p>Using tech safely and ethically</p></p> <p>C. <p>Buying new devices</p></p> <p>D. <p>Gaming online</p></p>
5	What is the recommended case for constants	<p>A. <p>Camel Case</p></p> <p>B. <p>Lowercase</p></p> <p>C. <p>Uppercase with underscores</p></p> <p>D. <p>snake_case</p></p>
6	If $P = NP$, this means	<p>A. <p>Some NP unsolvable</p></p> <p>B. <p>all NP solvable in polynomial time</p></p> <p>C. <p>All NP unsolvable</p></p> <p>D. <p>Same space complexity</p></p>
7	What is one way to practice responsible digital behavior	<p>A. <p>Avoid phishing scams</p></p> <p>B. <p>Use weak passwords</p></p> <p>C. <p>Share accounts</p></p> <p>D. <p>Ignore privacy</p></p>
8	Why should you use multiple security tools.	<p>A. <p>To cover different types of threats</p></p> <p>B. <p>To slow down the system</p></p> <p>C. <p>To delete all emails</p></p> <p>D. <p>To track online activity</p></p>
9	Which step defines the problem in model building	<p>A. <p>Step 1</p></p> <p>B. <p>Step 2</p></p> <p>C. <p>Step 3</p></p> <p>D. <p>Step 4</p></p>
10	What does 'self' represent?	<p>A. <p>Global variable</p></p> <p>B. <p>The class</p></p> <p>C. <p>Instance of the class</p></p> <p>D. <p>Built-in function</p></p>
11	Which of the following is NOT part of a SDLC.	<p>A. <p>Marketing</p></p> <p>B. <p>Requirement gathering</p></p> <p>C. <p>Coding</p></p> <p>D. <p>Testing</p></p>
12	What is the key difference between a tuple and a list.	<p>A. <p>Mutable vs immutable</p></p> <p>B. <p>Variable declaration</p></p> <p>C. <p>Data type</p></p> <p>D. <p>Syntax</p></p>
13	Which is solved by Dynamic Programming.	<p>A. <p>Coin Change</p></p> <p>B. <p>Fibonacci sequence</p></p> <p>C. <p>Merge sort</p></p> <p>D. <p>Puzzle solving</p></p>
14	An operation that removes an item from the top of the stack	<p>A. <p>Push</p></p> <p>B. <p>Pop</p></p> <p>C. <p>Peek</p></p>

		D. <p>Add</p>
15	What is the primary goal of algorithm design techniques.	A. <p>Improve hardware</p> B. <p>Solve problems systematically</p> C. <p>Reduce input size</p> D. <p>Debug software</p>
16	Which is a key part of digital literacy	A. <p>Cooking</p> B. <p>Tech use</p> C. <p>Drawign </p> D. <p>Witing poems</p>
17	What is the role of UML in software development.	A. <p>Writing code</p> B. <p>Visualizing system design</p> C. <p>Managing team communication </p> D. <p>Deploying software</p>
18	How can you convert user input to an integer in Python.	A. <p>Using str()</p> B. <p>Using float ()</p> C. <p>Using int()</p> D. <p>Using bool ()</p>
19	What does ethical use of information mean.	A. <p>Copy others work</p> B. <p>Share secrets</p> C. <p>Ignore rules</p> D. <p>Use data fairly and legally</p>
20	Decentratlizio in blockchain means.	A. <p>One person controls everything</p> B. <p>No one controls anything</p> C. <p>Many people share control</p> D. <p>Only companies control</p>