

Computer Science Ics Part 1 Online Test

Sr	Questions	Answers Choice
1	What does integration testing check	<p>A. Individual functions</p> <p>B. User experience</p> <p>C. Code interaction</p> <p>D. Performance</p>
2	Which technique is used in Merge sort.	<p>A. Greedy</p> <p>B. Divide and conquer</p> <p>C. Dynamic Programming</p> <p>D. Back tracking</p>
3	Which of the following is a difference between trees and graphs.	<p>A. Trees have cycles</p> <p>B. Trees have many path</p> <p>C. Trees have root ; graph may not</p> <p>D. Trees are more flexible</p>
4	Which OOP principle allows code reuse.	<p>A. Encapsulation</p> <p>B. Inheritance</p> <p>C. Polymorphism</p> <p>D. All</p>
5	An algorithm that sort data by stepping through the list and swapping adjacent elements if needed is.	<p>A. Selection sort</p> <p>B. Quick sort</p> <p>C. Bubble sort</p> <p>D. Merge sort</p>
6	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>
7	P vs NP asks if	<p>A. Fast solutions are in NP</p> <p>B. Check complexity</p> <p>C. Debug errors</p> <p>D. Improve hardware</p>
8	An example of a real world application of statistical models.	<p>A. Predicting house prices</p> <p>B. Creating social media posts</p> <p>C. Designing websites</p> <p>D. Writing essays</p>
9	What is the main purpose of testing in software development.	<p>A. To write better code</p> <p>B. To document requirements</p> <p>C. To find bugs and ensure quality</p> <p>D. To plan timelines</p>
10	For which problems is Backtracking suitable.	<p>A. Optimal substructure</p> <p>B. Explore all combinations</p> <p>C. One optimal choice</p> <p>D. No overlapping problems</p>
11	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>
12	What is statistical modeling used for.	<p>A. Predict</p> <p>B. Collect</p> <p>C. Store</p> <p>D. Design</p>
13	Why practice indexing and slicing	<p>A. Not important</p> <p>B. Retrieve elements efficiently</p> <p>C. Only for lists</p> <p>D. Only for strings</p>
14	Which UML diagram represents the structure of a system using classes and objects.	<p>A. Use Case Diagram</p> <p>B. Class Diagram</p> <p>C. Sequence diagram</p> <p>D. Activity diagram</p>

15	What protects data in blockchain like a sealed envelope.	A. <p>Encryption</p> B. <p>Erasing</p> C. <p>Copy pasting</p> D. <p>Sharing publicly</p>
16	Which of the following is an example of business plan software.	A. <p>word</p> B. <p>PlanGuru</p> C. <p>Excel</p> D. <p>Drive</p>
17	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>
18	A startup used PlanGuru to build a business plan. What benefit does this provide.	A. <p>Random templates</p> B. <p>Structured financial modeling</p> C. <p>Ignoring trends</p> D. <p>Copying rivals</p>
19	What is innovation.	A. <p>New inventions</p> B. <p>Improving existing methods</p> C. <p>Sticking to old practices</p> D. <p>Ignoring technology</p>
20	What is modular programming.	A. <p>One file</p> B. <p>Smaller modules</p> C. <p>No functions</p> D. <p>Single data structure</p>