

Computer Science Ics Part 1 Online Test

Sr	Questions	Answers Choice
1	Which UML diagram shows how users interact with the system.	<p>A. <p>Class diagram</p> B. <p>Use case diagram</p> C. <p>sequence diagram</p> D. <p>Activity Diagram</p></p>
2	Probability can be expressed as.	<p>A. <p>Only decimals</p> B. <p>Only percentages</p> C. <p>Fractions, decimals, or percentages</p> D. <p>Only fractions</p></p>
3	Which measure tells how spread out the data is from the mean.	<p>A. <p>Mean</p> B. <p>variance</p> C. <p>Mode</p> D. <p>Median</p></p>
4	In which structures can cycles exist.	<p>A. <p>Graph</p> B. <p>Tree</p> C. <p>Stack</p> D. <p>Queue</p></p>
5	What is role of algorithm in problem solving.	<p>A. <p>Gives steps</p> B. <p>Ignores logic</p> C. <p>Random process</p> D. <p>Blocks solutions</p></p>
6	Which keyword defines a function in Python.	<p>A. <p>function</p> B. <p>Define</p> C. <p>def</p> D. <p>fun</p></p>
7	What is a benefit of online education platforms.	<p>A. <p>Only for rich students</p> B. <p>Only for city schools</p> C. <p>No internet needed</p> D. <p>Students can learn from top universities</p></p>
8	What is a list in Python.	<p>A. <p>Unordered items</p> B. <p>Changeable sequence</p> C. <p>Print function</p> D. <p>Loop type</p></p>
9	A loop used to iterate over a collection such as lists is.	<p>A. <p>for</p> B. <p>repeat</p> C. <p>while</p> D. <p>do while</p></p>
10	Which design pattern provides a way to create objects without exposing logic.	<p>A. <p>Factory</p> B. <p>Singleton</p> C. <p>Observer</p> D. <p>Strategy</p></p>
11	NP hard problems are	<p>A. <p>Easy to solve</p> B. <p>Always solvable</p> C. <p>As hard as NP problem</p> D. <p>In class P</p></p>
12	Which model predicts continuous numeric value	<p>A. <p>Logistic regression</p> B. <p>Linear regression</p> C. <p>k-means clustering</p> D. <p>Accuracy</p></p>
13	The key component of digital literacy	<p>A. <p>Writing poetry</p> B. <p>Understanding agricultural methods</p> C. <p>Using digital tools effectively</p> D. <p>Practicing public speaking</p></p>
14	Way for a company to protect a trade secret.	<p>A. <p>Register it with the IPO</p> B. <p>Apply for a trademark</p> C. <p>Keep it confidential and use legal agreements</p> D. <p>Publish it in a journal</p></p>

15	What is debugging.	A. <p>Writing new code</p> B. <p>Finding and fixing errors</p> C. <p>Compiling</p> D. <p>Running test</p>
16	Which algorithm is used for predicting numerical values.	A. <p>Logistic regression </p> B. <p>Linear regression</p> C. <p>k-means clustering</p> E. <p>Decision tree</p>
17	What is a loan.	A. <p>Money saved for future use</p> B. <p>Borrowed money that must be repaid</p> C. <p>Total revenue earned</p> D. <p>A types of investment</p>
18	Which of the following is a functional requirement	A. <p>The system should be fast</p> B. <p>The system should be scalable</p> C. <p>The system shol eb secure</p> D. <p>The system should allow user login</p>
19	Whcih technology allows every day objects like refrigerators and cars to connect to the internet	A. <p>IOT</p> B. <p>vr</p> C. <p>ar</p> D. <p>SG</p>
20	What does using technology involve.	A. <p>Watching TV</p> B. <p>Typing documents</p> C. <p>Listenign to music</p> D. <p>Sleeping with devices</p>