

Computer Science Ics Part 1 Online Test

Sr	Questions	Answers Choice
1	What is a graph in data structures.	<p>A. A linear structure</p> <p>B. A hierarchieal structure</p> <p>C. A set of vertices connected by edges.</p> <p>D. A type of array</p>
2	Which tools translates hihg level code line -by-line	<p>A. Compiler</p> <p>B. Interpreter</p> <p>C. Debugger</p> <p>D. Assembler</p>
3	Which measure tells how spread out the data is from the mean.	<p>A. Mean</p> <p>B. variance</p> <p>C. Mode</p> <p>D. Median</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	Why is the main () function important.	<p>A. Faster execution</p> <p>B. Organizes code</p> <p>C. Infiniteloops</p> <p>D. Not important</p>
6	What is a framework in software developoment.	<p>A. A lanaguage</p> <p>B. Coding rules</p> <p>C. Testing tool</p> <p>D. Pre built strucure</p>
7	What is online research primarily used for.	<p>A. Playing games</p> <p>B. Fast results</p> <p>C. Always Accurate</p> <p>D. Supports decision making</p>
8	What is a key limitatio of Greedy Algorithms.	<p>A. Too complex</p> <p>B. Always optimal</p> <p>C. Not always optimal</p> <p>D. High memory use</p>
9	A competitor sells artisanal bread. How maigh you differnetiate	<p>A. Offer gourmet pastrices</p> <p>B. Match their prices</p> <p>C. Copy recipes</p> <p>D. Ignore them</p>
10	Which event in Pakistan showed the need for data protection.	<p>A. Growth of Daraz</p> <p>B. NADRA data leak</p> <p>C. Rise of smartphones</p> <p>D. Better internet</p>
11	Cryptocurrencles works without which of the flowing	<p>A. Banks</p> <p>B. Internet</p> <p>C. Users</p> <p>D. Code</p>
12	What should the busniess Description cover.	<p>A. Financial goals</p> <p>B. Products</p> <p>C. Marketing Strategies</p> <p>D. Competitors</p>
13	Which visualizatio is best for comparing categories.	<p>A. Line graph</p> <p>B. Bar Cart</p> <p>C. Scatterplot</p> <p>D. Histogram</p>
14	A commonly used tool for creating data visualization	<p>A. MS Excel</p> <p>B. Python</p> <p>C. Tableau</p> <p>D. All of the above</p>
15	What does confidentiality mean in research.	<p>A. Share all data</p> <p>B. Keep personal nfo rivate</p> <p>C. Publish early</p>

		D. <p>Interview secretly</p>
16	How can you protect against malware.	A. <p>Download from unknown sites</p> B. <p>Ignore updates</p> C. <p>Share passwords</p> D. <p>Use updated antivirus</p>
17	What is risk assessment in software projects.	A. <p>Writing code</p> B. <p>Identifying potential threats</p> C. <p>Creating diagrams</p> D. <p>Managing teams</p>
18	Where should you download Python from.	A. <p>any app store</p> B. <p>Third -party site</p> C. <p>https:// www..pyyhon.org.</p> D. <p>Rando download links</p>
19	What is clustering used for.	A. <p>Making predictions</p> B. <p>Grouping similar items</p> C. <p>Calculating probabilities</p> D. <p>Finding averages</p>
20	What is the purpose of the range () function in Python.	A. <p>To create a list of strings</p> B. <p>To generate a sequence of numbers</p> C. <p>to store data in variables</p> D. <p>To compare values</p>