

Computer Science Ics Part 1 Chapter 1 Online Test

Sr	Questions	Answers Choice
1	What is a framework in software development.	<p>A. <p>A language</p></p> <p>B. <p>Coding rules</p></p> <p>C. <p>Testing tool</p></p> <p>D. <p>Pre built structure</p></p>
2	Which Agile practice involves writing tests before code.	<p>A. <p>Pair programming</p></p> <p>B. <p>Continuous Integration</p></p> <p>C. <p>Test Driven Development</p></p> <p>D. <p>Documentation First</p></p>
3	What is the purpose for the Design phase in SDLC.	<p>A. <p>To write code</p></p> <p>B. <p>To gather user feedback</p></p> <p>C. <p>To create a blueprint of the system</p></p> <p>D. <p>To test the software</p></p>
4	Which of the following is a reason for testing software.	<p>A. <p>To find and fix bugs early</p></p> <p>B. <p>to make it look better</p></p> <p>C. <p>To delay delivery</p></p> <p>D. <p>To increase costs</p></p>
5	Which platform is commonly used for version control.	<p>A. <p>Github</p></p> <p>B. <p>Visual studio</p></p> <p>C. <p>My SQL</p></p> <p>D. <p>Notepad++</p></p>
6	What is the purpose of a debugger.	<p>A. <p>To find and fix errors</p></p> <p>B. <p>To write code</p></p> <p>C. <p>To design interfaces</p></p> <p>D. <p>To manage databases</p></p>
7	What is the purpose of project planning.	<p>A. <p>To ignore user needs</p></p> <p>B. <p>To define goals, roles, and timelines</p></p> <p>C. <p>To skip</p></p> <p>D. <p>To reduce team size</p></p>
8	Which UML diagram shows how users interact with the system.	<p>A. <p>Class diagram</p></p> <p>B. <p>Use Case Diagram</p></p> <p>C. <p>Sequence Diagram</p></p> <p>D. <p>Activity Diagram</p></p>
9	What is the role of UML in software development	<p>A. <p>Visualizing system design</p></p> <p>B. <p>Writing code</p></p> <p>C. <p>Managing team communication</p></p> <p>D. <p>Deploying software,</p></p>
10	Which SDLC phase creates visual models of the system.	<p>A. <p>Design</p></p> <p>B. <p>Requirement</p></p> <p>C. <p>Coding</p></p> <p>D. <p>Testing</p></p>
11	Which activity happens during the Execution phase.	<p>A. <p>Gathering requirements</p></p> <p>B. <p>Writing code and building software</p></p> <p>C. <p>Planning timeline</p></p> <p>D. <p>Testing software</p></p>
12	Which of the following is an online computing platform.	<p>A. <p>Visual Studio</p></p> <p>B. <p>Repl .it</p></p> <p>C. <p>Py Charm</p></p> <p>D. <p>Eclipse</p></p>
13	Which factor affects software cost estimation	<p>A. <p>Team size</p></p> <p>B. <p>Number of stakeholders</p></p> <p>C. <p>Technology stack</p></p> <p>D. <p>All of the above</p></p>
14	Which of the following is a key practice in Agile	<p>A. <p>Continuous integration</p></p> <p>B. <p>Sequential planning</p></p> <p>C. <p>Fixed scope</p></p> <p>D. <p>No feedback loops</p></p>

15	Which Agile practice involves two developers working together.	A. <p>Pair programming</p> <p>B. Sprint planning</p> <p>C. Daily Standups</p> <p>D. Test Driven Development</p>
16	Which phase comes after testing in SDLC.	A. <p>Requirement</p> <p>B. Design</p> <p>C. Deployment</p> <p>D. Debugging</p>
17	Which design pattern helps notify multiple objects about changes in one object	A. <p>Observer</p> <p>B. Factory</p> <p>C. Strategy</p> <p>D. Singleton</p>
18	Which of the following is a web development framework.	A. <p>Java</p> <p>B. Python</p> <p>C. Django</p> <p>D. MySQL</p>
19	Which of the following is NOT Part of SDLC.	A. <p>Requirement</p> <p>B. Design</p> <p>C. Testing</p> <p>D. Coding</p>
20	Which tool translates high level code line-by-line	A. <p>Compiler</p> <p>B. Interpreter</p> <p>C. Debugger</p> <p>D. Assembler</p>