

Computer Science Ics Part 1 Chapter 1 Online Test

Sr	Questions	Answers Choice
1	Which of the following best describes an design pattern.	<p>A. <p>New lanaguage</p> B. <p>Reusable solution&nbsp;</p> C. <p>T,ype of DB</p> D. <p>Testing method</p></p>
2	Which model supports iteratie development.	<p>A. <p>Water fall</p> B. <p>Agile</p> C. <p>V model</p> D. <p>None of the above</p></p>
3	Which design pattn 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>
4	In angile methodoloyg, work is divided into shrt cycles called.	<p>A. <p>Sprints</p> B. <p>Modules</p> C. <p>Stages</p> D. <p>Phases</p></p>
5	Which of the following helps in managing large scale software projects.	<p>A. <p>Frameworks</p> B. <p>Methodologies</p> C. <p>Tools</p> D. <p>All of the above</p></p>
6	Whcih activity happens during the Execution phase.	<p>A. <p>Gathering requirements</p> B. <p>Writing code and building software</p> C. <p>Planning timeline</p> D. <p>Testing software</p></p>
7	What is the role of UML in software developoment.	<p>A. <p>Writing code</p> B. <p>Visualizing system design</p> C. <p>Managing team communication&nbsp;</p> D. <p>Deploying software</p></p>
8	What is themain disadvantages of the Waterfall model.	<p>A. <p>Lack of flexibility</p> B. <p>High cost</p> C. <p>Poor documentation</p> D. <p>Slow development</p></p>
9	Which of the following is a functional requirement	<p>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></p>
10	Why is the Waterfall model not suitable for dynamic projects.	<p>A. <p>it requiries too many resources</p> B. <p>It follows a rigid, linear approach</p> C. <p>It lacks documentation&nbsp;</p> D. <p>It is outdated</p></p>
11	Which tools translates hihg level code line -by-line	<p>A. <p>Compiler</p> B. <p>Interpreter</p> C. <p>Debugger</p> D. <p>Assembler</p></p>
12	What si the role of UML in software development	<p>A. <p>Visualizing systme design</p> B. <p>Writing code</p> C. <p>Managing eam communciatio&nbsp;</p> D. <p>Depolying software,</p></p>
13	Which IDE is commonly used for python development.	<p>A. <p>Notepad++</p> B. <p>PyCharm</p> C. <p>Visual Studio</p> D. <p>GDB</p></p>
		<p>A. <p>Team size</p></p>

14	Which factor affects software cost estimation	B. <p>Number of stakeholders</p> C. <p>Technology stack</p> D. <p>All of the above</p>
15	What is the purpose of a sequence Diagram.	A. <p>Show data flow</p> B. <p>Model work flows</p> C. <p>Show object interactions</p> D. <p>Define system limits</p>
16	Which of the following is a web development framework.	A. <p>Java</p> B. <p>Python</p> C. <p>Django</p> D. <p>MySQL</p>
17	What is a framework in software development.	A. <p>A language</p> B. <p>Coding rules</p> C. <p>Testing tool</p> D. <p>Pre built structure</p>
18	What is the purpose of source code repositories.	A. <p>To write code</p> B. <p>To store and track code changes</p> C. <p>To compile code</p> D. <p>To deploy applications</p>
19	What is the purpose of a debugger.	A. <p>To find and fix errors</p> B. <p>To write code</p> C. <p>To design interfaces</p> D. <p>To manage databases</p>
20	Which SDLC phase creates visual models of the system.	A. <p>Design</p> B. <p>Requirement</p> C. <p>Coding</p> D. <p>Testing</p>