

## Computer Science Ics Part 1 Chapter 1 Online Test

Sr	Questions	Answers Choice
1	What is the benefit of using framewors in development.	<p>A. &lt;p&gt;Fastr with reusable parts&lt;/p&gt;            B. &lt;p&gt;Slower&lt;/p&gt;            C. &lt;p&gt;More bugs&lt;/p&gt;            D. &lt;p&gt;Less secure&lt;/p&gt;</p>
2	Which model works well for small projects with fixed requirements.	<p>A. &lt;p&gt;Agile&lt;/p&gt;            B. &lt;p&gt;Waterfall&lt;/p&gt;            C. &lt;p&gt;Spiral&lt;/p&gt;            D. &lt;p&gt;Devops&lt;/p&gt;</p>
3	What is themain disadvantages of the Waterfall model.	<p>A. &lt;p&gt;Lack of flexibility&lt;/p&gt;            B. &lt;p&gt;High cost&lt;/p&gt;            C. &lt;p&gt;Poor documentation&lt;/p&gt;            D. &lt;p&gt;Slow development&lt;/p&gt;</p>
4	Which phase comes after testing in SDLC.	<p>A. &lt;p&gt;Requirement&lt;/p&gt;            B. &lt;p&gt;Design&lt;/p&gt;            C. &lt;p&gt;Deployment&lt;/p&gt;            D. &lt;p&gt;Debugging&lt;/p&gt;</p>
5	Whcih of the following is a reason form testing software.	<p>A. &lt;p&gt;To find and fix bugs early&lt;/p&gt;            B. &lt;p&gt;to make it look better&lt;/p&gt;            C. &lt;p&gt;To delay delivery&lt;/p&gt;            D. &lt;p&gt;To increase costs&lt;/p&gt;</p>
6	What is the purpose of a sequene Diagram.	<p>A. &lt;p&gt;Show data flow&lt;/p&gt;            B. &lt;p&gt;Model work flows&lt;/p&gt;            C. &lt;p&gt;Show object interactions&lt;/p&gt;            D. &lt;p&gt;Define system limits&lt;/p&gt;</p>
7	Which of the following si a non functional requirement.	<p>A. &lt;p&gt;User registrations&lt;/p&gt;            B. &lt;p&gt;Data eneryption&lt;/p&gt;            C. &lt;p&gt;Online payment&lt;/p&gt;            D. &lt;p&gt;Report generation&amp;nbsp;&lt;/p&gt;</p>
8	Which UML diagram shows how users interact with the system.	<p>A. &lt;p&gt;Class diagram&lt;/p&gt;            B. &lt;p&gt;Use Case Diagram&lt;/p&gt;            C. &lt;p&gt;Sequence Diagram&lt;/p&gt;            D. &lt;p&gt;Activity Diagram&lt;/p&gt;</p>
9	Why is the Waterfall model not suitable for dynamic projects.	<p>A. &lt;p&gt;it requiries too many resources&lt;/p&gt;            B. &lt;p&gt;it follows a rigid, linear approach&lt;/p&gt;            C. &lt;p&gt;It lacks documentation&amp;nbsp;&lt;/p&gt;            &lt;/p&gt;            D. &lt;p&gt;It is outdated&lt;/p&gt;</p>
10	Which of the following is a functional requirement	<p>A. &lt;p&gt;The system should be fast&lt;/p&gt;            B. &lt;p&gt;The system should be scalable&lt;/p&gt;            C. &lt;p&gt;The system shol eb secure&lt;/p&gt;            D. &lt;p&gt;The system should allow user login&lt;/p&gt;</p>
11	Which tools translates hihg level code line -by-line	<p>A. &lt;p&gt;Compiler&lt;/p&gt;            B. &lt;p&gt;Interpreter&lt;/p&gt;            C. &lt;p&gt;Debugger&lt;/p&gt;            D. &lt;p&gt;Assembler&lt;/p&gt;</p>
12	Which of the following is NOT pat of a SDLC.	<p>A. &lt;p&gt;Marketing&lt;/p&gt;            B. &lt;p&gt;Requirement gathering&lt;/p&gt;            C. &lt;p&gt;Coding&lt;/p&gt;            D. &lt;p&gt;Testing&lt;/p&gt;</p>
13	Which tpe of testing checks individual componets of software.	<p>A. &lt;p&gt;Integration Testing&lt;/p&gt;            B. &lt;p&gt;System Testing&lt;/p&gt;            C. &lt;p&gt;Unit Testing&lt;/p&gt;            D. &lt;p&gt;Acceptance testing&lt;/p&gt;</p>
14	What is an IDE?	<p>A. &lt;p&gt;A code writer&lt;/p&gt;            B. &lt;p&gt;Tools in one interface&lt;/p&gt;            C. &lt;p&gt;Testing framework&lt;/p&gt;            D. &lt;p&gt;A development environment&lt;/p&gt;</p>

		D. <p>Deployment tool</p>
15	Which methodology emphasizes customer collaboration and responding to change.	A. <p>Waterfall</p> B. <p>Agile</p> C. <p>V-model</p> D. <p>RAD</p>
16	Which IDE is commonly used for python development.	A. <p>Notepad++</p> B. <p>PyCharm</p> C. <p>Visual Studio</p> D. <p>GDB</p>
17	Which UML diagram represents the structure of a system using classes and objects.	A. <p>Use Case Diagram</p> B. <p>Class Diagram</p> C. <p>Sequence diagram</p> D. <p>Activity diagram</p>
18	Which factor affects software cost estimation	A. <p>Team size</p> B. <p>Number of stakeholders</p> C. <p>Technology stack</p> D. <p>All of the above</p>
19	Which phase of SDLC involves understanding user needs and expectations.	A. <p>Design</p> B. <p>Requirement gathering</p> C. <p>Testing</p> D. <p>Deployment</p>
20	Which activity happens during the Execution phase.	A. <p>Gathering requirements</p> B. <p>Writing code and building software</p> C. <p>Planning timeline</p> D. <p>Testing software</p>