

## Computer Science Ics Part 1 Chapter 1 Online Test

Sr	Questions	Answers Choice
1	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>
2	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>
3	Which of the following is a code editor.	<p>A. &lt;p&gt;GCC&lt;/p&gt;            B. &lt;p&gt;GDB&lt;/p&gt;            C. &lt;p&gt;VS code&lt;/p&gt;            D. &lt;p&gt;Python&lt;/p&gt;</p>
4	What is the purpose of project planing.	<p>A. &lt;p&gt;To ignore user needs&lt;/p&gt;            B. &lt;p&gt;To define goals, roles, and timelines&lt;/p&gt;            C. &lt;p&gt;To skip&lt;/p&gt;            D. &lt;p&gt;To reduce team size&lt;/p&gt;</p>
5	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;Deployment tool&lt;/p&gt;</p>
6	What si the main purpose of testing in software development.	<p>A. &lt;p&gt;To write better code&lt;/p&gt;            B. &lt;p&gt;To docuemnt requirements&lt;/p&gt;            C. &lt;p&gt;To find bugs and ensure quality&lt;/p&gt;            D. &lt;p&gt;To plan timelines&lt;/p&gt;</p>
7	Who usually perform Acceptance Testing	<p>A. &lt;p&gt;Developers&lt;/p&gt;            B. &lt;p&gt;Testers&lt;/p&gt;            C. &lt;p&gt;End Users&lt;/p&gt;            D. &lt;p&gt;Managers&lt;/p&gt;</p>
8	Which of he following is a key practice in Agile	<p>A. &lt;p&gt;Continoous integration&lt;/p&gt;            B. &lt;p&gt;Sequential planning&lt;/p&gt;            C. &lt;p&gt;Fixed scope&lt;/p&gt;            D. &lt;p&gt;No feedback loops&lt;/p&gt;</p>
9	Which of the following is a web development of framework.	<p>A. &lt;p&gt;Java&lt;/p&gt;            B. &lt;p&gt;Python&lt;/p&gt;            C. &lt;p&gt;Django&lt;/p&gt;            D. &lt;p&gt;MySQL&lt;/p&gt;</p>
10	Which of the following best describes an design pattern.	<p>A. &lt;p&gt;New lanaguage&lt;/p&gt;            B. &lt;p&gt;Reusable solution&lt;/p&gt;            C. &lt;p&gt;Type of DB&lt;/p&gt;            D. &lt;p&gt;Testing method&lt;/p&gt;</p>
11	Which factor affects softeare cost estimation	<p>A. &lt;p&gt;Team size&lt;/p&gt;            B. &lt;p&gt;Number of stakeholders&lt;/p&gt;            C. &lt;p&gt;Technology stack&lt;/p&gt;            D. &lt;p&gt;All of the above&lt;/p&gt;</p>
12	Which of the following helps in managing large scale software projects.	<p>A. &lt;p&gt;Frameworks&lt;/p&gt;            B. &lt;p&gt;Methodologies&lt;/p&gt;            C. &lt;p&gt;Tools&lt;/p&gt;            D. &lt;p&gt;All of the above&lt;/p&gt;</p>
13	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>
14	Which phawe of SDLC involves understanding user needs and experctations.	<p>A. &lt;p&gt;Design&lt;/p&gt;            B. &lt;p&gt;Requiremnt gthering&lt;/p&gt;            C. &lt;p&gt;Testing&lt;/p&gt;            D. &lt;p&gt;Deployment&lt;/p&gt;</p>
		<p>A. &lt;p&gt;Unit &amp;nbsp;&amp;nbsp;&amp;nbsp;Testing&lt;/p&gt;</p>

15	Which testing check the entire system as a whole.	<p>B. &lt;p&gt;System Testing&lt;/p&gt; C. &lt;p&gt;Integration Testing&lt;/p&gt; D. &lt;p&gt;Debugging&lt;/p&gt;</p>
16	In agile methoddology, work is divided into shrot cycles called.	<p>A. &lt;p&gt;Sprints&lt;/p&gt; B. &lt;p&gt;Modules&lt;/p&gt; C. &lt;p&gt;Phases&lt;/p&gt; D. &lt;p&gt;Stages&lt;/p&gt;</p>
17	Whcih activity happens during the Execution phase.	<p>A. &lt;p&gt;Gathering requirements&lt;/p&gt; B. &lt;p&gt;Writing code and building software&lt;/p&gt; C. &lt;p&gt;Planning timeline&lt;/p&gt; D. &lt;p&gt;Testing software&lt;/p&gt;</p>
18	What is risk assessment in software projects.	<p>A. &lt;p&gt;Writing code&lt;/p&gt; B. &lt;p&gt;Identifying potential threats&lt;/p&gt; C. &lt;p&gt;Creating diagrams&lt;/p&gt; D. &lt;p&gt;Managing teams&lt;/p&gt;</p>
19	Which methodology emphasizes customer collaboration and responding to change.	<p>A. &lt;p&gt;Waterfall&lt;/p&gt; B. &lt;p&gt;Agile&lt;/p&gt; C. &lt;p&gt;V-model&lt;/p&gt; D. &lt;p&gt;RAD&lt;/p&gt;</p>
20	Which IDE is commonly used for python development.	<p>A. &lt;p&gt;Notepad++&lt;/p&gt; B. &lt;p&gt;PyCharm&lt;/p&gt; C. &lt;p&gt;Visual Studio&lt;/p&gt; D. &lt;p&gt;GDB&lt;/p&gt;</p>