

## Computer Science Ics Part 1 Chapter 1 Online Test

Sr	Questions	Answers Choice
1	Which of the following is a code editor.	<p>A. &lt;p&gt;GCC&lt;/p&gt;</p> <p>B. &lt;p&gt;GDB&lt;/p&gt;</p> <p>C. &lt;p&gt;VS code&lt;/p&gt;</p> <p>D. &lt;p&gt;Python&lt;/p&gt;</p>
2	Whcih activity happens during the Execution phase.	<p>A. &lt;p&gt;Gathering requirements&lt;/p&gt;</p> <p>B. &lt;p&gt;Writing code and building software&lt;/p&gt;</p> <p>C. &lt;p&gt;Planning timeline&lt;/p&gt;</p> <p>D. &lt;p&gt;Testing software&lt;/p&gt;</p>
3	Which methodology emphasizes customer collaboration and responding to change.	<p>A. &lt;p&gt;Waterfall&lt;/p&gt;</p> <p>B. &lt;p&gt;Agile&lt;/p&gt;</p> <p>C. &lt;p&gt;V-model&lt;/p&gt;</p> <p>D. &lt;p&gt;RAD&lt;/p&gt;</p>
4	What is the purpose of soruce code repositories.	<p>A. &lt;p&gt;To write code&lt;/p&gt;</p> <p>B. &lt;p&gt;To store and track code changes&lt;/p&gt;</p> <p>C. &lt;p&gt;To compile code&lt;/p&gt;</p> <p>D. &lt;p&gt;To deploy applications&lt;/p&gt;</p>
5	In agile methodology, work is divided into shrt cycles called.	<p>A. &lt;p&gt;Sprints&lt;/p&gt;</p> <p>B. &lt;p&gt;Modules&lt;/p&gt;</p> <p>C. &lt;p&gt;Stages&lt;/p&gt;</p> <p>D. &lt;p&gt;Phases&lt;/p&gt;</p>
6	What si the role of UML in software development	<p>A. &lt;p&gt;Visualizing systme design&lt;/p&gt;</p> <p>B. &lt;p&gt;Writing code&lt;/p&gt;</p> <p>C. &lt;p&gt;Managing eam communciatio&amp;nbsp;&lt;/p&gt;</p> <p>D. &lt;p&gt;Depolying software,&lt;/p&gt;</p>
7	Which testing check the entire system as a whole.	<p>A. &lt;p&gt;Unit &amp;nbsp;&lt;/p&gt;Testing&lt;/p&gt;</p> <p>B. &lt;p&gt;System Testing&lt;/p&gt;</p> <p>C. &lt;p&gt;Integration Testing&lt;/p&gt;</p> <p>D. &lt;p&gt;Dubugging&lt;/p&gt;</p>
8	Who usually perform Acceptance Testing	<p>A. &lt;p&gt;Developers&lt;/p&gt;</p> <p>B. &lt;p&gt;Testers&lt;/p&gt;</p> <p>C. &lt;p&gt;End Users&lt;/p&gt;</p> <p>D. &lt;p&gt;Managers&lt;/p&gt;</p>
9	Which Agile practice involovs wriing tests before code.	<p>A. &lt;p&gt;Pair programming&lt;/p&gt;</p> <p>B. &lt;p&gt;Continous Inegration&lt;/p&gt;</p> <p>C. &lt;p&gt;Test Driven Development&lt;/p&gt;</p> <p>D. &lt;p&gt;Documentation First&lt;/p&gt;</p>
10	Why is the Waterfall model not suitable for dynamic projects.	<p>A. &lt;p&gt;it requires too many resources&lt;/p&gt;</p> <p>B. &lt;p&gt;It follows a rigid, linear approach&lt;/p&gt;</p> <p>C. &lt;p&gt;It lacks documentation&amp;nbsp;&lt;/p&gt;&lt;/p&gt;</p> <p>D. &lt;p&gt;It is outdated&lt;/p&gt;</p>
11	Which design pattn provides a way to create objects without exposing logic.	<p>A. &lt;p&gt;Factory&lt;/p&gt;</p> <p>B. &lt;p&gt;Singleton&lt;/p&gt;</p> <p>C. &lt;p&gt;Observer&lt;/p&gt;</p> <p>D. &lt;p&gt;Strategy&lt;/p&gt;</p>
12	Which phase comes after testing in SDLC.	<p>A. &lt;p&gt;Requirement&lt;/p&gt;</p> <p>B. &lt;p&gt;Design&lt;/p&gt;</p> <p>C. &lt;p&gt;Deployment&lt;/p&gt;</p> <p>D. &lt;p&gt;Debugging&lt;/p&gt;</p>
13	What is the main goal of software development?	<p>A. &lt;p&gt;Design hardware&lt;/p&gt;</p> <p>B. &lt;p&gt;Creae task specific programs&lt;/p&gt;</p> <p>C. &lt;p&gt;Manage detabases&lt;/p&gt;</p> <p>D. &lt;p&gt;Develop marketing plans&lt;/p&gt;</p>
14	Which SDLC phase involvesinstalling the software for users.	<p>A. &lt;p&gt;Testing&lt;/p&gt;</p> <p>B. &lt;p&gt;Coding&lt;/p&gt;</p>

		<p>C. &lt;p&gt;Deployment&lt;/p&gt;</p> <p>D. &lt;p&gt;Maintenance&lt;/p&gt;</p>
15	What is the main purpose of testing in software development.	<p>A. &lt;p&gt;To write better code&lt;/p&gt;</p> <p>B. &lt;p&gt;To document requirements&lt;/p&gt;</p> <p>C. &lt;p&gt;To find bugs and ensure quality&lt;/p&gt;</p> <p>D. &lt;p&gt;To plan timelines&lt;/p&gt;</p>
16	What does an activity diagram illustrate.	<p>A. &lt;p&gt;System architecture&lt;/p&gt;</p> <p>B. &lt;p&gt;Flow of activities is a process&lt;/p&gt;</p> <p>C. &lt;p&gt;Code structure&lt;/p&gt;</p> <p>D. &lt;p&gt;Data Base Scheme&lt;/p&gt;</p>
17	Which of the following is a reason for testing software.	<p>A. &lt;p&gt;To find and fix bugs early&lt;/p&gt;</p> <p>B. &lt;p&gt;to make it look better&lt;/p&gt;</p> <p>C. &lt;p&gt;To delay delivery&lt;/p&gt;</p> <p>D. &lt;p&gt;To increase costs&lt;/p&gt;</p>
18	Which type of testing checks individual components of software.	<p>A. &lt;p&gt;Integration Testing&lt;/p&gt;</p> <p>B. &lt;p&gt;System Testing&lt;/p&gt;</p> <p>C. &lt;p&gt;Unit Testing&lt;/p&gt;</p> <p>D. &lt;p&gt;Acceptance testing&lt;/p&gt;</p>
19	What is the purpose for the Design phase in SDLC.	<p>A. &lt;p&gt;To write code&lt;/p&gt;</p> <p>B. &lt;p&gt;To gather user feedback&lt;/p&gt;</p> <p>C. &lt;p&gt;To create a blueprint of the system&lt;/p&gt;</p> <p>D. &lt;p&gt;To test the software&lt;/p&gt;</p>
20	Which SDLC phase includes continuous updates and bug fixes	<p>A. &lt;p&gt;Design&lt;/p&gt;</p> <p>B. &lt;p&gt;Development&lt;/p&gt;</p> <p>C. &lt;p&gt;Maintenance&lt;/p&gt;</p> <p>D. &lt;p&gt;Requirement Gathering&lt;/p&gt;</p>