

## Computer Science Ics Part 1 Chapter 1 Online Test

Sr	Questions	Answers Choice
1	What is the purpose fo a debugger.	<p>A. &lt;p&gt;To find and fix errors&lt;/p&gt;</p> <p>B. &lt;p&gt;To write code&lt;/p&gt;</p> <p>C. &lt;p&gt;To design interfaces&lt;/p&gt;</p> <p>D. &lt;p&gt;To manage databases&lt;/p&gt;</p>
2	Which platform is comunly used for version control.	<p>A. &lt;p&gt;Github&lt;/p&gt;</p> <p>B. &lt;p&gt;Visual studio&lt;/p&gt;</p> <p>C. &lt;p&gt;My SQL&lt;/p&gt;</p> <p>D. &lt;p&gt;Notepad++&lt;/p&gt;</p>
3	In angile 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>
4	Which of the following si a non functional requirement.	<p>A. &lt;p&gt;User registrations&lt;/p&gt;</p> <p>B. &lt;p&gt;Data eneryption&lt;/p&gt;</p> <p>C. &lt;p&gt;Online payment&lt;/p&gt;</p> <p>D. &lt;p&gt;Report generation&amp;nbsp;&lt;/p&gt;</p>
5	Which of the following is a quality assurrnce activity.	<p>A. &lt;p&gt;Coding&amp;nbsp;&lt;/p&gt;</p> <p>B. &lt;p&gt;Code review and testing&lt;/p&gt;</p> <p>C. &lt;p&gt;Marketing&lt;/p&gt;</p> <p>D. &lt;p&gt;Hiring&lt;/p&gt;</p>
6	Why is the Waterfall model not suitable for dynamic projects.	<p>A. &lt;p&gt;it requies 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;</p> <p>D. &lt;p&gt;It is outdated&lt;/p&gt;</p>
7	Which of the following is an online computing platform.	<p>A. &lt;p&gt;Visual Studio&lt;/p&gt;</p> <p>B. &lt;p&gt;Repl .it&lt;/p&gt;</p> <p>C. &lt;p&gt;Py Charm&lt;/p&gt;</p> <p>D. &lt;p&gt;Eclipse&lt;/p&gt;</p>
8	Which UML diagram shows how users interact with the sytem.	<p>A. &lt;p&gt;Class diagram&lt;/p&gt;</p> <p>B. &lt;p&gt;Use case diagram&lt;/p&gt;</p> <p>C. &lt;p&gt;sequence diagram&lt;/p&gt;</p> <p>D. &lt;p&gt;Activity Diagram&lt;/p&gt;</p>
9	What si 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 docuemnt 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>
10	Whcih of the following is a reason form 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>
11	What is themain disadvantages of the Waterfall model.	<p>A. &lt;p&gt;Lack of flexibility&lt;/p&gt;</p> <p>B. &lt;p&gt;High cost&lt;/p&gt;</p> <p>C. &lt;p&gt;Poor documentation&lt;/p&gt;</p> <p>D. &lt;p&gt;Slow development&lt;/p&gt;</p>
12	Which phawe of SDLC involves understanding user needs and experctations.	<p>A. &lt;p&gt;Design&lt;/p&gt;</p> <p>B. &lt;p&gt;Requiremnt gthering&lt;/p&gt;</p> <p>C. &lt;p&gt;Testing&lt;/p&gt;</p> <p>D. &lt;p&gt;Deployment&lt;/p&gt;</p>
13	Which design pattrn allows inerchangeable algorithms at runtime	<p>A. &lt;p&gt;Singleton&lt;/p&gt;</p> <p>B. &lt;p&gt;Strategy&lt;/p&gt;</p> <p>C. &lt;p&gt;Factory&lt;/p&gt;</p> <p>D. &lt;p&gt;Observer&lt;/p&gt;</p>
14	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>

15	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>
16	What is the main goal of software development?	<p>A. &lt;p&gt;Design hardware&lt;/p&gt;</p> <p>B. &lt;p&gt;Create task specific programs&lt;/p&gt;</p> <p>C. &lt;p&gt;Manage databases&lt;/p&gt;</p> <p>D. &lt;p&gt;Develop marketing plans&lt;/p&gt;</p>
17	Which SDLC phase creates visual models of the system.	<p>A. &lt;p&gt;Design&lt;/p&gt;</p> <p>B. &lt;p&gt;Requirement&lt;/p&gt;</p> <p>C. &lt;p&gt;Coding&lt;/p&gt;</p> <p>D. &lt;p&gt;Testing&lt;/p&gt;</p>
18	Which model supports iterative development.	<p>A. &lt;p&gt;Water fall&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;None of the above&lt;/p&gt;</p>
19	What is the purpose of a sequence Diagram.	<p>A. &lt;p&gt;Show data flow&lt;/p&gt;</p> <p>B. &lt;p&gt;Model work flows&lt;/p&gt;</p> <p>C. &lt;p&gt;Show object interactions&lt;/p&gt;</p> <p>D. &lt;p&gt;Define system limits&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>