

Computer Science Ics Part 1 Chapter 1 Online Test

| Sr | Questions | Answers Choice |
|----|---|--|
| 1 | What is the main 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> |
| 2 | Which SDLC phase includes continuous updates and bug fixes | <p>A. <p>Design</p> B. <p>Development</p> C. <p>Maintenance</p> D. <p>Requirement Gathering</p></p> |
| 3 | What is the purpose of a debugger. | <p>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></p> |
| 4 | Which of the following is NOT part of a SDLC. | <p>A. <p>Marketing</p> B. <p>Requirement gathering</p> C. <p>Coding</p> D. <p>Testing</p></p> |
| 5 | Which design pattern 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> |
| 6 | Which of the following is a code editor. | <p>A. <p>GCC</p> B. <p>GDB</p> C. <p>VS code</p> D. <p>Python</p></p> |
| 7 | What does an activity diagram illustrate. | <p>A. <p>System architecture</p> B. <p>Flow of activities is a process</p> C. <p>Code structure</p> D. <p>Data Base Scheme</p></p> |
| 8 | Which 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> |
| 9 | Which model works well for small projects with fixed requirements. | <p>A. <p>Agile</p> B. <p>Waterfall</p> C. <p>Spiral</p> D. <p>Devops</p></p> |
| 10 | Which of the following is a quality assurance activity. | <p>A. <p>Coding</p> B. <p>Code review and testing</p> C. <p>Marketing</p> D. <p>Hiring</p></p> |
| 11 | What is the purpose of source code repositories. | <p>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></p> |
| 12 | Why is the Waterfall model not suitable for dynamic projects. | <p>A. <p>it requires too many resources</p> B. <p>It follows a rigid, linear approach</p> C. <p>It lacks documentation</p> D. <p>It is outdated</p></p> |
| 13 | Which of the following is a reason for testing software. | <p>A. <p>To find and fix bugs early</p> B. <p>to make it look better</p> C. <p>To delay delivery</p> D. <p>To increase costs</p></p> |
| 14 | Which Agile practice involves writing tests before code. | <p>A. <p>Pair programming</p> B. <p>Continuous Integration</p> C. <p>Test Driven Development</p></p> |

| | | |
|----|---|---|
| | | D. <p>Documentation First</p> |
| 15 | Which of the following is a non functional requirement. | A. <p>User registrations</p> B. <p>Data encryption</p> C. <p>Online payment</p> D. <p>Report generation </p> |
| 16 | In agile methodology, work is divided into short cycles called. | A. <p>Sprints</p> B. <p>Modules</p> C. <p>Stages</p> D. <p>Phases</p> |
| 17 | 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> |
| 18 | What is the role of UML in software development | A. <p>Visualizing system design</p> B. <p>Writing code</p> C. <p>Managing team communication </p> D. <p>Deploying software,</p> |
| 19 | Which tool translates high level code line-by-line | A. <p>Compiler</p> B. <p>Interpreter</p> C. <p>Debugger</p> D. <p>Assembler</p> |
| 20 | Which Agile practice involves two developers working together. | A. <p>Pair programming</p> B. <p>Sprint planning</p> C. <p>Daily Standups</p> D. <p>Test Driven Development</p> |