

Live Quiz 3-1.

1. Which one of the following is not a symptom of the present software crisis?
 - a. Software is expensive
 - b. It takes too long to build a software product.
 - c. Software is delivered late.
 - d. Software products are required to perform very complex tasks.
2. The goal of structured programming is which one of the following?
 - a. To have well indented program.
 - b. To be able to infer the flow of control from the compiled code.
 - c. To be able to infer the flow of control from the program text.
 - d. To avoid the use of GO TO statements.
- 3.
4. Why is writing easily modifiable code important?
 - a. Easily modifiable code results in quicker run time
 - b. Most real word programs require change at some point of time or other.
 - c. Most text editors make it mandatory to write modifiable code.
 - d. Several developers may write different parts of a large program.
5. Which one among the following is not a software service type of project?
 - a. Software maintenance
 - b. Software customization
 - c. Outsourced software development
 - d. Software product development
6. Model building is a form of which one of the following?
 - a. Abstraction
 - b. Decomposition
 - c. Aggregation
 - d. Composition

7. Which one of the following characteristic of software products being developed is not symptom of software crisis?
- a. Fail to meet user requirements
 - b. Expensive
 - c. Highly Interactive
 - d. Difficult to alter, debug and enhance
8. What is the implication of the magical number 7 in build and fix development projects?
- a. Development effort increases exponentially with program size
 - b. Development effort increases linearly with program size
 - c. Development effort increases sub-linearly with program size
 - d. Development effort Decreases linearly with program size
9. Which one of the following is not an implication of severely restricted size of the short-term memory?
- a. Difficulty in permanently remembering large amount of information
 - b. Difficulty in developing a program with large number of variables
 - c. Difficulty in debugging a program with large number of variable.
 - d. Difficulty in understanding a program with large number of variables
10. Why does the effort required to develop a software grow exponentially with size. When a build and fix model of development is use?
- a. Bugs increase exponentially
 - b. Number of modules increases
 - c. Code becomes unstructured
 - d. Human cognitive limitations

Answer: DD_BD_AC_AA_D