**Live Quiz 3.**

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.

Ans: d

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.

Ans: d

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.

Ans: B

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

Ans: d

6. Model building is a form of which one of the following?

a. Abstraction

b. Decomposition

c. Aggregation

d. Composition

Ans: A

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

Ans: C

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

Ans: A

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

Ans: A

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

Ans: d