

# Students' SE Knowledge Test

This study is attempting to find out the knowledge test on Software Engineering subject of students in engineering programs. The information gathered will be used toward the completion of my PhD thesis only. I want you to know that:

- Your participation is entirely voluntary.
- Your response will remain anonymous and confidentiality will be maintained.
- Neither your class standing nor your grades will be affected.

## About you

Name: \_\_\_\_\_

Institute: \_\_\_\_\_

Department: \_\_\_\_\_

Roll No: \_\_\_\_\_

Email-id: \_\_\_\_\_

Mob No: \_\_\_\_\_

Gender: (M/F)\_\_\_\_\_

Please answer the following questions as truly as possible. (Tick those that you agree with)

*Thank you for participating in this survey.*

### 1. SRS refers to:

- Software Requirements Specification
- System Resources Statement
- Statement of Reliability of System
- Standard Requirements Statement

### 2. Functional requirements of a system are related to:

- Using the system (by users) to get some meaningful work done
- How the system functions under different constraints
- Whether they adhere to the organization policies
- None of the above

### 3. According to COCOMO model, a project can be categorized into:

- 3 types
- 4 types
- 5 types
- No such categorization

### 4. Which phase of software development is costly?

- Design phase
- Test and maintenance phase
- Analysis phase
- Requirement phase

- 5. Which document mentions about the functions of a system?**
- Design document
  - Test plan
  - Analysis document
  - Requirement document
- 6. In ER Model, a prime attribute is indicated by:**
- Underline inside an ellipse
  - Double ellipse
  - Dotted ellipse
  - Dotted rectangle
- 7. A decision point in an Activity diagram is a control where:**
- Multiple parallel activities merge
  - Decision is taken whether a transition should happen
  - A condition is checked and decided which activity should be performed next
  - There is no such control
- 8. Which of the following is used for modeling information systems?**
- Entity relation model and Domain class model
  - Empirical model
  - Estimate model
  - All of the above
- 9. Use cases can be used for testing, which includes:**
- Validation
  - Verification
  - Both verification and validation
  - None
- 10. Which metric is used to determine program complexity?**
- McCabe's cyclomatic complexity
  - Flow chart complexity
  - Activity diagram complexity
  - None of the above
- 11. Which design is analogous to the floor plan of a house?**
- Architectural design
  - Component-level design
  - Data design
  - Interface design
- 12. Which of these is a graphical notation for depicting procedural detail?**
- Process diagram
  - Decision table
  - ER diagram
  - Flowchart
- 13. A class is a:**
- Blueprint
  - Specific instance of an object
  - Category of user requirement
  - None of the above

**14. What is a test suite?**

- A collection of outputs
- A collection of test cases
- A collection of inputs
- None of these

**15. Acceptance testing is done by:**

- Developers
- Customers
- Testers
- All of the above

Full Signature: \_\_\_\_\_