

In class questions

1. Define Software Quality Assurance (SQA) and explain its importance in software development.
2. Differentiate between Software Quality Assurance (SQA) and Software Testing with examples.
3. Explain the key objectives of software testing. Why is it necessary?
4. Discuss the relationship between errors, faults, and failures in software development.
5. Can a fault-free software system still be unreliable? Justify your answer with examples.
6. Explain the concept of software reliability. How is it different from software quality?
7. Why do software faults occur? Discuss at least three reasons with examples.
8. Why is exhaustive testing impractical? Support your answer with calculations or examples.
9. How do you determine how much testing is enough for a software product?
10. What is risk-based testing? Explain how risk assessment helps in prioritizing test cases.
11. Discuss the role of legal and contractual requirements in software testing.
12. Explain how testing contributes to software quality beyond just finding defects.