

# Software Engineering & Project Management

## Question Bank

1. Compare and contrast two popular software quality models and discuss how they help in improving software development processes.
2. Explain the critical components of software quality as recognized in the field of software engineering.
3. Explain the six quality characteristics defined by ISO 9126.
4. Discuss how a Quality Management System functions within a software development environment and its impact on the success of a project.
5. Explain the concept of process capability models with a focus on CMMI. Discuss how CMMI improves process quality in software development.
6. Discuss different types of testing methods and their effectiveness in identifying software defects.
7. Explain different reliability testing techniques for software and provide examples for each technique.
8. Describe two modern innovations in project management practices and discuss how they improve project efficiency and success.
9. Explain how an organization can evaluate and improve its project management practices, with examples.
10. Explain the role of risk management in project planning and how it contributes to project success.