Assignment # 1

Software Quality Management (ICS-401)
Submission Deadline: 24 January 2026

1. Explain the concept of the Software Quality Challenge. Discuss the major difficulties faced by software organizations in achieving high-quality software products.
2. Describe the Software Quality Factors. Explain different quality factors such as reliability, maintainability, usability, and efficiency, and discuss their impact on software development.
3. Discuss the key components of a Software Quality Assurance (SQA) System. Explain how these components contribute to ensuring software quality throughout the software life cycle.
4. What are Pre-Project Software Quality Components? Explain their importance in minimizing risks and ensuring quality before the actual development begins.
5. Explain the role of Contract Review and Development & Quality Plan in Software Quality Assurance. Discuss how these activities help in setting quality standards and controlling project execution.