Unit 4

1. Explain how coding standards builds a high quality software.
2. Describe about steps takes place in software review process
3. Explain how different kinds of software review techniques.
4. Describe about the requirements to be specified for software testing strategy.
5. Explain unit testing and different types of integration testing along with neat diagram
6. Explain in detail about system testing and debugging process along with neat diagram.
7. Analyze the graph-based testing, behavioral testing, model based testing and equivalence partitioning techniques by using blackbox testing in the context of a complex input-driven software system
8. Analyze the relationship amoung graph metrics, basis path testing ,flow graph notation and cyclomatic complexity in whitebox testing. How do these tools work together to identify untested execution paths in complex code?

Unit 5

1. Describe the steps takes place in product release management process, and product release management cycle.
2. Describe how reactive risks are different from proactive risks, and also differentiate reactive risks and proactive risks.
3. Explain about software maintenance, lehman laws of software maintenance, and different types of software maintenance.
4. Explain in detail about different types of software risks.
5. Describe about risk identification process and techniques used for risk identification process along with neat diagram.
6. Describe about software reengineering, forward engineering, reverse engineering, Reuse process of software maintenance along with neat diagram.
7. Analyze the process of risk projection and formation of a risk table in software project management. How do variations in probability and impact values influence decision-making at different stages of the project with example?
8. Analyze how each phase of the software maintenance life cycle contributes to software quality, and also explain how different kinds of software maintenance models are helpful to maintain good quality software.