

- Explain in your own words what is meant by the term "software architecture."
- Describe the role and significance of a component diagram in software architecture.
- Explain the concept of architectural design in the context of software development.
- Write about Collaboration diagram with example?
- Explain the concept of regression testing in software development.
- Differentiate between verification and validation testing in the context of software quality assurance
- What is the Art of Debugging?
- What are Process Metrics?
- What is the basic distinction between an error and a bug?
- Write about Software measurement?
- Explain the fundamental differences between black box testing and white box testing.
- Describe the concept of regression testing in software development.
- Can you provide a basic definition of what a risk is and how to handle it?
- Write about Formal Technical Review in software development?
- Provide a basic definition of Software Quality Assurance?
- What does RMMM stand for in software project management?
- Provide an overview of ISO 9000 quality standards.
- Reactive Vs proactive Risk Strategies
- Provide an overview of software quality and its importance in software development.
- Explain about Risk Refinement?

- Explain in detail the characteristics and criteria for a good design.
- ii) Describe the golden rules for interface design.
- Discuss the importance of Use-case diagram? Draw use-case diagram for an online course registration system?
- Describe the Conceptual Model of UML?
- Give a brief explanation on different types of Architectural Styles in Software Architecture?
- What is testing? What are the various test strategies for testing conventional software?
- i) Apply your knowledge of software metrics and explain Metrics for Process and product?
- ii) Write about “The Art of Debugging”?
- What is integration testing and write in detail with diagram the following approaches?
 - a. Top-down b. Bottom-Up c. Big Bang d. Sandwich
- What is the necessity of System testing? Write down all types of System tests in detail?
- ii) Discuss the differences between black box and white box testing?
- Evaluate the significance of Formal Technical Reviews (FTR) in the context of enhancing software quality.
- Discuss different types of Risks which are likely to occur in software projects? Briefly explain Risk Analysis stage of Risk management Process?
- What is Risk Management? Explain the Risk Management Process?
- Provide a brief understanding of software quality management and its importance in software development.