**Software Testing**

**Question Bank**

**UNIT 1**

**7 marks questions:**

1. Explain the key differences between software quality assurance and software quality control, and how each contributes to ensuring the overall quality of software products?"
2. What are the unique attributes and significance of Software Quality Assurance (SQA) in the context of software development processes?
3. What are the key factors influencing defect detection in software products compared to other industrial products?
4. Explain the characteristics of SQA environment.
5. What are the six classes into which the components of an SQA (Software Quality Assurance) system can be classified?
6. Explain Product operation software quality factors in detail.
7. Explain the product revision factors in detail.
8. Explain components included in the pre-project phase of a software development life cycle.
9. **Marks questions:**
10. Explain in detail Classifications of software requirements into software quality factors
11. Explain Management and its role in software quality assurance in detail.

**UNIT 5**

**7 marks questions:**

1. Explain Selenium and its components.
2. Explain Selenium web driver and its architecture.
3. Explain the advantages and disadvantages of selenium.
4. Explain selenium life cycle with the help of a diagram.
5. Explain the different classifications of Software development process metrics
6. Explain the Product metrics in detail.
7. Explain the classifications of product metrics in detail.
8. Explain two classifications of Software process quality metrics.
9. **marks questions:**
10. Write a Java program using Selenium WebDriver to launch the Chrome browser, navigate to Google's homepage, retrieve the page title, and then close the browser.
11. Explain the different classifications of software quality metrics in detail.