**TITLE OF PAPER: Software Development Tools and Practices**

**INSTRUCTIONS TO CANDIDATES:**

**Answer Five Questions – Total Marks 100**

**There will be 6 structured type questions related to software development mainly web development and quality assurance. Each question will have multiple sub question.**

**The following are some sample questions, DO NOT expect the same for the exam.**

1. Compare and contrast static and dynamic web pages.
2. Explain URIs, URLs & URNs with examples each.
3. Explain client-side and server-side state management techniques.
4. Compare and contrast sessions with one of the client-side state management techniques.
5. What does DBMS stand for? What are the other types of storage systems other than RDBMS?
6. Name three commercial software programs for managing DB.
7. What are the problems of not validating a web form?
8. Discuss what are the impacts if user sensitive data was exposed.
9. Regular expressions rules and how to apply them
10. Name different methodologies for web applications testing.
11. Explain best practices in web development.
12. QA principles and how to apply them in a given scenario
13. Characteristics of test cases
14. Writing test cases for a given scenario