

**GROUP A**  
**(Roll NO: 2010SE01- 2010SE14)**

1. What do you mean by Software security?
  - a. Why is it essential?
  - b. How can you ensure software security?
  - c. Provide an example of a software disaster due to unhandled security flaw.
2. What is REST and SOAP? Differentiate between them in detail.
3. Compare and contrast eager initialization and Lazy initialization. Illustrate with a suitable example.
4. Explain the following in terms of web services:
  - a. WSDL
  - b. UDDI
  - c. ebXML
5. What is the idea behind Convention vs Configuration? Please support your answer with specific examples.
6. Explain with an example about Cross site scripting?
7. Differentiate between architectural pattern and creational pattern with specific example for each.
8. How is agile method better than the conventional approaches? Differentiate between extreme programming and SCRUM.
9. Differentiate between continuous integration and continuous deployment.
10. How can you say that CRM is an enterprise application?

**GROUP B**  
**(Roll NO: 2010SE15 - 2010SE26)**

11. Layered architecture increases flexibility, maintainability, and scalability. Illustrate your understanding with relevant example.
12. "Continuous Integration doesn't get rid of bugs, but it does make them dramatically easier to find and remove". Illustrate your understanding.
13. What do you mean by Web security?
  - a. Why is it essential?
  - b. How can you ensure software security?
  - c. Provide an example of a software disaster due to unhandled security flaw.
14. Differentiate between cross site request forgery and unvalidated redirects and forwards.
15. What is an enterprise application? How would you differentiate enterprise application from desktop applications and web applications? Explain.
16. How can you say that http is a stateless protocol?
17. What are patterns? Explain in detail about factory pattern with an example.
18. What is an enterprise application framework? Explain about Zachman Framework.
19. What is the purpose of using Data Exchange Formats? Compare and contrast RDF and XML using relevant examples.
20. What is a design pattern? How design patterns solve problem?

**GROUP C**

**(Roll NO: 2010SE27 – 2010SE42 and 2009SE30)**

21. State the key practices of Continuous Integration as per Martin Fowler. What is the significance of using the concept of Continuous during software development?
22. How MVC solves a design problem. Illustrate your understanding about the flow of MVC.
23. What is web Service? Explain the importance of using web services.
24. The REST design principle establishes a one-to-one mapping between create, read, update, and delete (CRUD) operations and HTTP methods. Explain with an example for each case.
25. What do you mean by Sensitive Data Exposure? How can you prevent this problem? Explain with an example scenario.
26. How does Agile software development process establishes itself as a better approach than the conventional approaches. Justify.
27. Is it possible for web applications using http protocol to track the user's progress? Explain with example
28. Why do you prefer to have version control system? Explain the beneficial feature of VCS like git.
29. Differentiate between test driven development and behaviour driven development.
30. What do you mean by basic security attacks. Provide an example of state based attack.