**Interview Questions in Siemens**

First round

**Core Java:**

1. What is exception?

2. What is checked and unchecked exception?

3. Which one u prefer to handle exception try-catch or throws

4. In your project how u handle the exception in which layer and how u map

5. Which collection u used in your project write some pseudo code

6. Difference between **HashMap** and **HashTable**

7. If 2 thread try to access my collection Object at same time then is there any problem? If yes how can I handle this?

8. What is synchronization, and what are the various places where we can use it

9. What is static keyword, where we have to prefer that keyword and why?

10. What is the difference between static block and static method?

11. Can i access an instance field from static context?

12. Can i call a static method through the object reference?

13. Can i declare a class as private?

14. HashMap internal works?

15. programme: i have one string 9845321067 I have to sort the string in reverse order o/p:-9876543210 without using any predefined method

16. What is polymorphism give one example?

**Hibernate**:

1. If JDBC is there why hibernate?

2. Can I reuse the session? If yes how if no then what is the problem?

3. What is the difference between level-1 and level-2 cache?

4. Difference between get and load?

5. Difference between update and merge?

6. What is the state of object?

7. What is the lazy attribute and how it works?

8. How u configure data Source and name of the data Source?

**Spring:**

1. What is dependency injection?

2. What is the spring MVC annotation you used in your project?

3. Explain the MVC flow relate with your project architecture?

4. for every request I have to trace the **IP** address of user note :( before control will come to the my controller class I want to trace)

5. What is AOP?

6. What is the difference between join point and point cut?

7. What is the difference between interceptor and around advice in spring AOP?

8. Can we access stored procedure through spring?

9. Can I write 2 times init() method in bean?

10. In my application unused bean is there I don't want to instantiate that bean how can I do?

Second round :( project manager)

1. What you know about Siemens?

2. Why you prefer to attend interview here in weekends other interview is going on?

3. Why you want to look for change?

4. Brief yourself?

5. Give your project summary?

6. Where you used web service in your project and how?

7. If your resource will modify the code then it will impact to client then how can you manage

8. By accessing web services if you will get exception then how can I handle it?

9. Difference between rest and soap?

10. How request will forward through soap give explanation?

9. They will give one scenario and u has to tell in this situation what you have to use rest or soap with valid reason

10. How can you get the resource URI via mail or any other source?

11. Rest did you apply any security in your project ,if no then it can be access by any other person or not if person was know your URI

12. How you call your resource by using spring give the complete architecture.

13. What are the basic requirement to developed rest resource brief this.

14. Did u ever get a chance to write **WSDL**?

15. Explain the **WSDL** with document-wrapped approach

16. What is the difference between serialization and externalization?

17. Write the procedure to serialize the object

18 what are the method present in serializable interface

19. What is marker interface?

20. What is the difference between serialization and web services cause in both the concept we are exposing our business object over the network

21. Write down a singleton class

22. How can I restrict that no one can serialize my Singleton class object

23. Is my singleton class can be super class for other classes

24. How can I restricted that no one can be make IS-A relationship with my class

25. What is classCastException give one example and how to resolve it?

26. Did you ever face NullPointerException in your project then how can you handle it.

27. Which server you used and which format you used to package your application

28. How you deploy the code

29. If you are accessing other class and that class have some logical mistake then who will handle? And how u will know that logic was written by whom

30. **Question:**

**public** **class** A {

String name;

**public** A(String name) {

**this**.name = name;

}

}

**public** **class** B **extends** A{

}

Here can I instantiate B class

31. What is the build tool you used give some overall view.

32. Which bug tracking tool you used and how testing team report about bug

33. How code review will be happed?

34. What the topics you are discussing in scrum meeting and how much time your scrum meeting duration?

35. Your scrum master is onsite people or your Company person who is in onsite.