**Core Java**

1. Difference types of collections and differences.
2. Different List classes in Java
3. Multithreading /Mean of Thread safety / Runnable & Callable difference.
4. OOPs concepts (like Polymorphism Encapsulation Inheritance Abtraction).
5. Java 1.8 Features.
6. Access modifier
7. Concurrency framework(Concurrency HashMap)
8. Generics
9. Static Methods & Variables.
10. Overloading and Overriding (Methods / Constructions)
11. Is Java pass by value/reference
12. Equals/Hash Code method
13. Immutable object
14. Exception Types & Difference.

**Spring:**

1. Spring core /IOC /DI components like AOP etc
2. Spring Transaction & Schedulers(Spring Batch)
3. Application Context / Bean Factory
4. Different scope of Spring Beans
5. JDBC Template
6. Auto wiring

**Database**

1. Entity relationship
2. DDL and DML
3. Transactions
4. Types of Joins and their uses with the returns
5. Triggers and views
6. Working of group by and having clause
7. Procedure and handling error condition while writing procedure
8. Normalization
9. Importance of Indexing
10. Handling Null values
11. Packages vs procedures
12. Performance tuning of queries

**Application servers (Optional)**

* Difference between web and Application servers
* Steps to configure Data source.

**Web Services (Optional)**

* Difference between SOAP and REST
* URL authentication
* Document Upload and download functionality
* Annotations
* Hot to test service