Enterprise Java Question Bank

Unit 1

1. What are the various factors important before deciding on the number of tiers in application architecture?
2. Write a short note on Single tier architecture.
3. Explain two tier architecture with its advantages and disadvantages.
4. Write a short note on three tier architecture.
5. What is need of multi-tier architecture and explain its functionality.
6. What are Java EE containers?
7. Explain CGI technology and what are its disadvantages?
8. Write a short note on Servlet interface and explain its methods.
9. Explain the life cycle of a servlet.
10. Explain various types of JDBC Drivers.
11. Explain following interfaces:
    a. Connection
    b. Statement
    c. PreparedStatement
    d. ResultSet
    e. ResultSetMetaData

Unit 2

1. Write a short note on RequestDispatcher Interface.
2. What is a Cookie? Explain its types.
3. Write a short note on HttpSession.
4. Explain various steps comprising life cycle of HttpSession.

Unit 3

1. What are the benefits of using JSP?
2. Explain disadvantages of JSP.
3. Write a short note on life cycle of JSP.
4. Explain types of directives in JSP.
5. What are the implicit objects in JSP?
6. Explain disadvantages of JSTL.

Unit 4

1. Write a short note on EJB architecture.
2. What are the various features provided by EJB?
3. What are types of enterprise bean?
4. What are types of session beans?
5. Explain the life cycle of stateful and stateless session beans.

6. Explain life cycle of message driven beans.
7. What is Message Driven Bean? Explain its usage.
8. Define and explain Interceptors.
9. What is Naming service? Explain with the help of a diagram.

Unit 5

1. What is Persistence? Explain with an example.
2. With the help of a diagram explain JPA architecture.
3. What is Hibernate? Explain the need of using it.
4. What are the different components of Hibernate?
5. Write a short note on hibernate architecture.