Quiz Test for Chapter 5(JSF) and 6(Simple Tags)

Time: 30 Minutes

**Descriptive question on JSF**

1. **What are the advantages of JSF?**

**Ans:** The JSF specification lists the following ways that JSF helps web-application developers to create user interfaces (UIs):

• Makes it easy to construct a UI from a set of reusable UI components

• Simplifies migration of application data to and from the UI

• Helps manage UI state across server requests

• Provides a simple model for wiring client-generated events to server-side application code

• Allows custom UI components to be easily built and reused

# What are tags in JSF?

# Ans:

# 

# What is JSF life cycle and its phases?

# Ans:

1. **What is the type of request /response handle by JSF?**

**Ans:** We are concerned with these three request/response pairs:

• Non-JSF request generates JSF response

• JSF request generates JSF response

• JSF request generates non-JSF response

1. **Write the name of JSF libraries?**

**Ans:**

• Six JSF JARs: commons-beanutils.jar, commons-collections.jar, commons-digester.jar,   
commons-logging.jar, jsf-api.jar, and jsf-impl.jar

• Two JSTL JARs: jstl.jar and standard.jar

1. **What is the job of faces-config.xml class?**

**Ans:** Information about the view components in the web application and information about how control flows through the application is contained in a special configuration file named faces-config.xml.

1. **Write the event handling process in JSF?**

**Ans:** Value Change Listeners

Action Listeners

Calling Multiple Listeners

1. **What do you mean by MVC in JSF?**

**Ans:** The primary design pattern of JSF is the Model-View-Controller (MVC) pattern. MVC separates an application architecture into three categories of components: model, view, and controller. The model is the abstraction of all the domain data in the system. It is the bank account in a banking application, or a shopping cart in an e-commerce system. The view is the visualization of the model. In a web application, the view consists of the HTML pages and the components that create the HTML pages sent to web browsers, the Wireless Application Protocol (WAP) pages sent to mobile devices, or the UI components sent to a dedicated client. The controller is the set of components that manage the communications between model and view.

1. **Need for Custom Tags**

**Ans:** Among the best practices that have been established around JSP, one of the most important suggests that there should be as little Java code embedded inside a JSP page as possible. Experience has shown us that three key factors benefit from this practice:

• Reusability

• Readability

• Maintainability

1. **What is Tag File**

**Ans:** In short, a tag file is simply a JSP fragment containing some content or JSP code that you would like to use over and over again. This fragment is accessed by using a custom tag.

1. **Body content of tag file**

**Ans:**

1. **Difference between JavaBeans vs. Custom Tags**
2. **Difference between Simple tag vs. Custom tag**
3. **Define Simple Tag Interface**
4. **Request time expression**
5. **What is TLD? How you configure a tag handler?**