## **43 Lecture - CS506**

## **Important Subjective**

Certainly, here are 10 short-answer questions related to JavaServer Pages Standard Tag Library (JSTL), along with their answers:

**\*\*Question 1: What is JSTL?\*\*** 

\*\*Answer:\*\* JSTL (JavaServer Pages Standard Tag Library) is a collection of custom tags that simplify dynamic content creation and manipulation within JavaServer Pages (JSP) by providing reusable tag-based solutions for common tasks.

**\*\*Question 2: What is the purpose of JSTL Core Tags?\*\*** 

\*\*Answer:\*\* JSTL Core Tags provide essential functionalities for tasks like iterating over collections, conditionally displaying content, setting variables, managing URLs, and formatting numeric and date values.

\*\*Question 3: How does the <c:forEach> tag work in JSTL?\*\*

\*\*Answer:\*\* The <c:forEach> tag iterates over a collection and executes its body content for each element in the collection. It simplifies the process of looping through arrays, lists, and other collectionlike objects.

**\*\*Question 4: What is the function of the <c:if> tag in JSTL?\*\*** 

\*\*Answer:\*\* The <c:if> tag evaluates a specified condition and displays its body content only if the condition is true. It enables conditional content rendering within JSP pages.

**\*\*Question 5: How does the <c:set> tag work in JSTL?\*\*** 

\*\*Answer:\*\* The <c:set> tag is used to set values to variables within the JSP page scope. It provides a way to define or modify variables that can be accessed within the page.

\*\*Question 6: Explain the purpose of the <c:url> tag in JSTL.\*\*

\*\*Answer:\*\* The <c:url> tag is used to generate encoded URLs for resources like servlets, JSP pages, and other web resources. It ensures proper URL encoding, making URLs suitable for various use cases.

\*\*Question 7: What is the role of the <c:choose> tag in JSTL?\*\*

\*\*Answer:\*\* The <c:choose> tag implements conditional branching in a manner similar to a switchcase statement. It contains multiple <c:when> tags representing different cases and an optional <c:otherwise> tag for the default case.

\*\*Question 8: How is JSTL advantageous over scriptlets in JSP pages?\*\*

\*\*Answer:\*\* JSTL promotes cleaner and more readable code by reducing the need for embedded Java code (scriptlets) within JSP pages. It separates presentation and logic, enhancing maintainability.

\*\*Question 9: What is the function of JSTL Formatting Tags?\*\*

\*\*Answer:\*\* JSTL Formatting Tags provide capabilities to format numeric and date values according to specific patterns or locale settings, ensuring consistent and localized output.

\*\*Question 10: How can you include content from another resource using JSTL?\*\*

\*\*Answer:\*\* The <c:import> or <c:include> tag can be used to include content from another resource, such as a JSP page or a static file, into the current JSP page. This allows for modular and reusable content inclusion.