## 34 Lecture - CS506

## **Important Subjective**

Certainly, here are 10 short-answer questions related to JavaServer Pages (JSP), along with their answers:
**Question 1:** What is the primary purpose of JavaServer Pages (JSP)?
**Answer:** JSP is used to create dynamic web pages by allowing Java code to be embedded within HTML.
**Question 2:** How does JSP differ from Java Servlets?
**Answer:** JSP combines Java code with HTML, making it easier to create dynamic content, while Servlets focus on Java code to handle requests and responses.
**Question 3:** What are JSP directives?
**Answer:** JSP directives provide instructions to the container about how to translate and execute the JSP page. They are used to import classes, set content type, etc.
**Question 4:** What is the purpose of the JSP expression language?
**Answer:** The JSP expression language simplifies embedding Java expressions within HTML, making it easier to retrieve and display dynamic data.
**Question 5:** How is a JSP page translated and executed by the server?
**Answer:** The JSP page is first translated into a Java servlet and then compiled into bytecode. The servlet is executed by the server to generate HTML for the client.

**Question 6:** What is the role of JSP tags?
**Answer:** JSP tags provide dynamic content and control structures. They allow insertion of Java code into the HTML and enable the generation of dynamic content.
**Question 7:** How is a JSP session managed?
**Answer:** JSP sessions are managed using implicit objects like `session` that provide access to session-related information, allowing data to be stored and retrieved across requests.
**Question 8:** What is the difference between a JSP declaration and a scriptlet?
**Answer:** A declaration is used to define variables and methods that can be used throughout the JSP page, while a scriptlet contains Java code that generates dynamic content.
**Question 9:** How can JSP tags be categorized?
**Answer:** JSP tags can be categorized as standard actions (provided by JSP) and custom actions (defined by developers), which allow for modular and reusable components.
**Question 10:** How does JSP contribute to the Model-View-Controller (MVC) architecture?
**Answer:** JSP primarily represents the view in the MVC architecture, focusing on the presentation and user interface aspects of a web application.