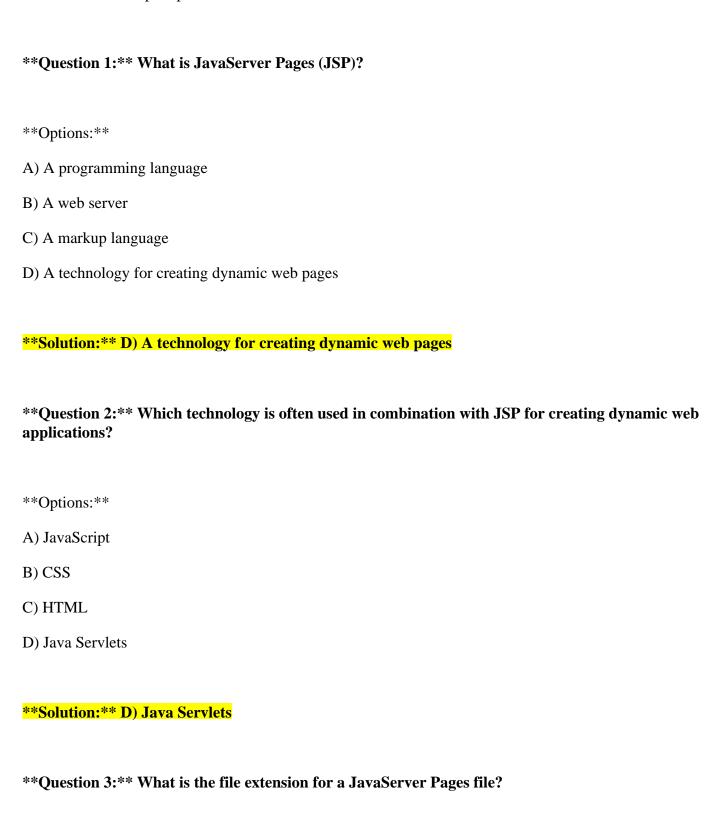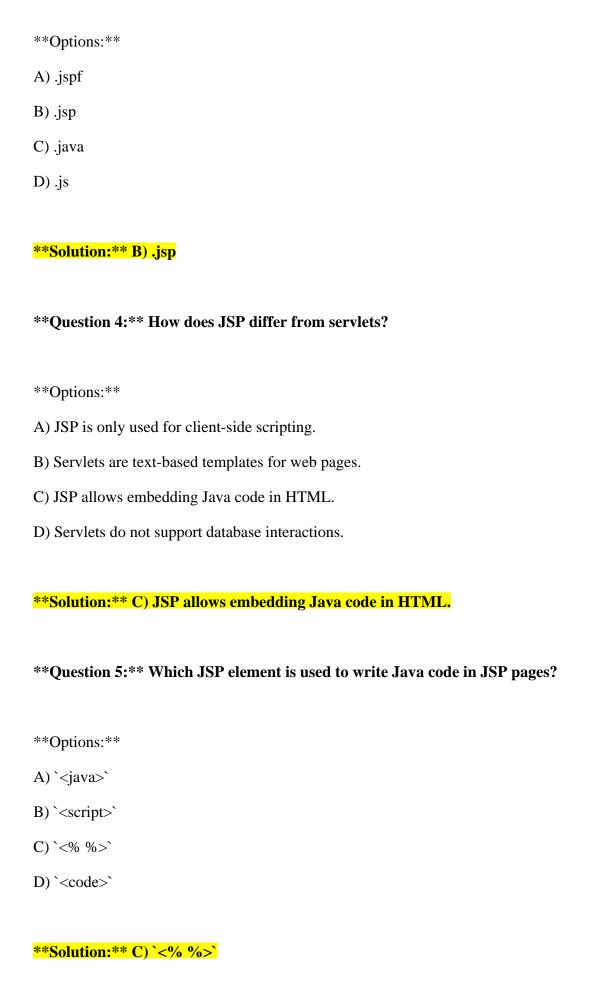# 34 Lecture - CS506

Important Mcqs

Certainly, here are 10 multiple-choice questions (MCQs) related to JavaServer Pages (JSP), along with their solutions and multiple options:

Question 1: What is JavaServer Pages (JSP)?

Options:

A) A programming language

B) A web server

C) A markup language

D) A technology for creating dynamic web pages

Solution: D) A technology for creating dynamic web pages

Question 2: Which technology is often used in combination with JSP for creating dynamic web applications?

Options:

A) JavaScript

B) CSS

C) HTML

D) Java Servlets

Solution: D) Java Servlets

Question 3: What is the file extension for a JavaServer Pages file?

Options:

A) .jspf

B) .jsp

C) .java

D) .js

Question 4: How does JSP differ from servlets?

Options:

A) JSP is only used for client-side scripting.

B) Servlets are text-based templates for web pages.

C) JSP allows embedding Java code in HTML.

D) Servlets do not support database interactions.

Question 5: Which JSP element is used to write Java code in JSP pages?

Options:

A) `<java>`

B) `<script>`

C) `<% %>`

D) `<code>`

Question 6: What is the purpose of JSP directives?

Options:

A) They define the appearance of web pages.

B) They control the flow of program execution.

C) They import Java classes into the JSP page.

D) They create forms for user input.

Solution: C) They import Java classes into the JSP page.

Question 7: What is the significance of the JSP expression language?

Options:

A) It allows for server-side scripting in JSP.

B) It simplifies the embedding of Java code in HTML.

C) It enforces strict separation of HTML and Java.

D) It defines the layout of JSP pages.

Solution: B) It simplifies the embedding of Java code in HTML.

Question 8: How is JSP translated and executed by the server?

Options:

A) JSP is translated into Java bytecode and executed by the client.

B) JSP is translated into servlet code and executed by the server.

C) JSP is translated into HTML and executed by the client.

D) JSP is translated into JavaScript and executed by the client.

Solution: B) JSP is translated into servlet code and executed by the server.

Question 9: Which JSP tag is used to declare variables?

Options:

A) `<define>`

B) `<set>`

C) `<var>`

D) `<declare>`

Solution: C) `<var>`

Question 10: How does JSP contribute to MVC (Model-View-Controller) architecture?

Options:

A) JSP handles data manipulation.

B) JSP focuses on user interface design.

C) JSP represents the controller.

D) JSP defines business logic.

Solution: B) JSP focuses on user interface design.