Servlets

Lesson2: Working with WildFly 8.x
1) Discuss standalone.xml – (whatever is covered in syllabus)
2) WildFly server – App Server

Lesson3: Introduction to Servlets API 3.0 and Ease of Development through Annotations
3) Discuss @WebServlet with multiple url pattern,@MultipartConfig annotation
4) Servlet life cycle(service ,doget and dopost method)
5) Discuss - Web Container a
6) Servlet Context Listener- how do you implement
7) Diff between config and context & all methods mentioned in book

Lesson 4:The Request object & Lesson 5:The Response object
1) Discuss all the request object methods with their return types,
2) Request Headers along with the method signature.
3) How will you refresh the page using headers
4) Client pull concept
5) Discuss all the response object methods with their return types.
6) Discuss all the response headers, methods for setting response headers, query string and how to retrieve
7) Discuss – status codes

Lesson 6: Configuring databases in WildFly
1) Discuss @Resource annotation

Lesson 7:Inter-servlet Communication
1) In interservlet communication the http method will be same as the invoking servlet (same request is passed)
2) Difference between req.getrequestdispatcher and context.getRequestDispatcher(which should begin with "/")
3) Diff between sendredirect and forward methods of response and requestdispatcher
4) Discuss - ServletContext interface which helps us to communicate with the servlet container,sharing of data between Servlets,etc
5) How to obtain getRequestDispatcher() – discuss all the possible ways
6) Discuss – How to attach the query string to the path
7) Discuss – RequestDispatcher's forward() and include() method with code

Lesson 8: Session Tracking
1) How will you get the HTTP method?
2) How will set the session timeout using xml and using code (discuss about the minutes /seconds)
3) How will you get the session object what is the difference between getSession(true) getSession(false)
4) Session.invalidate() and illegalStateException discuss
5) All points about cooikes,hidden form(works only for a sequence of dynamically generated forms),session api (how to retrieve the session object)

6) How will you create cookie, store cookie,add cookie and read cookie (which interfaces are used) discuss the getcookies method,maxium cookie size,methods used to keep the cookie alive
7) Discuss – all the methods and points regarding cookies

JSP

Lesson 2 : Writing Java Server Page
1) Discuss -Jsp life cycle & processing scenarios
2) Which life cycle methods cannot be overridden
3) Jsp comments vs HTML comments-discuss

Lesson 3 : JSP Scripting Elements
1) Discuss all the JSP scripting elements i.e expression, declaration and scriplets along with syntax and when it is evaluated and also check the sample code snippets
2) Discuss all the JSP Implicit objects
3) Discuss all implicit objects . when will the exception implicit object be enabled?
4) How to disable the scriplets
5) How will you declare a instance variable and local variable
   Ans<%! Int k ;%> and <% int k ; %>
6) How will you declare a method in jsp?(declarative tag)
7) How will you disable the session object in JSP
8) Is exception object enabled by default
9) Which attribute of page directive can be used multiple times

Lesson 4 : JSP Directives
1) Discuss Page directive and all it's attributes
2) ,include directive with it's attributes(types of files that can be included,include process-static, and in which phase it is included) a
3) What is the use of taglib directive ? discuss the syntax and attributes
4) Discuss isErrorPage and errorPage attribute of page directive
5) Which attributes of page directive takes Boolean value?
6) What is the use of contentType attribute of page directive
7) Which attribute of page directive can be repeated(import)
8) What will happen if session attribute of page is set to false?
9) What is the use of contentType attribute of page directive

Lesson 5 : JSP Action
1) <u>%@include file="header.jsp" %</u>- recap of syntax
2) <jsp:forward page="shopcart.jsp">
   a. <jsp:param value='<%= request.getParameter("category") %>' name="mcategory"/>
   b. </jsp:forward>
3) <jsp:include page="names.jsp" >
   <jsp:param name="fruit" value="apple" />
   </jsp:include>
         i. ---
         ii. <%= request.getParameter("fruit") %>
4) <jsp:useBean id="employee" class="com.cg.emp.dto.EmployeeDTO " scope="request"/>
   a. <jsp:getProperty property="…." name="….."/> <jsp:setProperty ….>discuss

5)Discuss bean scopes,bean processing tags

6) Diff between include directive and include action

Lesson 6 : JSP Configuration in web.xml
1) property groups include-prelude, include-coda,etc and where it is declared
2) discuss - <jsp-config> tag in web.xml
3) Enable/Disable of JSP expression language (JSP EL) evaluation.
4) Enable/Disable of Scripting elements.

Lesson 7 : JSP Standard Tag Library (JSTL) and EL
1) Jstl- set and out tags, foreach discuss with example (discuss all attributes)
2) Discuss EL expressions

Developer WorkBench
Lesson 1: Introduction to Maven and Benefits
1) Discuss the significance of pom.xml and

Lesson 2: Maven Basics
1) Discuss Maven build life cycle phases
2) Discuss –Maven repository and the order of repository invocation like (pom,local and remote) – Also refer Maven Principles notes page from Lesson 1 and Repositories from Lesson 2
3) Discuss all the coordinates used to identify an artifact (Refer repositories)

Lesson 3: Getting started with Maven
1) Discuss the maven set up using the environment variables(Refer Maven Installation and setup slide)
2) Discuss all the maven commands like mvn compile,mvn clean,mvn site,mvn package,mvn build,etc

Lesson 4: Creating applications using Maven in Eclipse Luna
1) Discuss Maven plugins like Surefire,Failsafe,junit,etc (Refer testing your application)
2)

Lesson 5:PMD Tool
1) Discuss all the points regarding PMD and why PMD, PMD report generation format, severity levels