

Exam 2 - E-Technologies

Name _____

December 4, 2003

I. Define the following

A. servlet

B. session tracking

C. database join

D. JDBC

E. metadata (in database context)

F. HTTPServlet

G. OC4J

H. SOAP

I. UDDI

II. What are the security problems with Web Services? What are proposed solutions?

III. Compare servlets and CGI: differences, advantages, disadvantages?

IV. Distinguish between WEB Services and the Semantic Web. What are they and how do they differ?

V. What is XPath? What is it used for? Give one or more syntactic examples.

VI. What is XSQL? What benefits? Give examples of how it is used?

VII. Describe how JDeveloper goes about deploying web objects? Use one or more of the course homework projects as an example in your answer.

VIII. Describe what the following lines of code are doing in general. Provide annotations that describe the details of what all the code is doing.

In general:

Annotations

```
<?xml version="1.0"?>

<!-- FAQ-In-XML.xsl: Transform ROWSET/ROW format to FAQ-List.dtd vocabulary
-->

<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/
Transform">

  <xsl:output doctype-system="FAQ-List.dtd" indent="yes"/>
  <xsl:template match="/">

    <FAQ-List>

      <xsl:for-each select="ROWSET/ROW">

        <FAQ Submitter="{SUBMITTED_BY}" Level="{LEVEL}">

          <Question><xsl:value-of select="QUESTION"/></Question>

          <Answer><xsl:value-of select="ANSWER"/></Answer>

        </FAQ>

      </xsl:for-each>

    </FAQ-List>

  </xsl:template>

</xsl:stylesheet>
```