I10-002^{Q&As}

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QUESTION 1

Which of the following correctly describes the results of normalizing the following XML Document rec element by Exclusive XML Canonicalization?

```
[XML Document]
<a:root xmlns:a="urn:xmlmaster:a">
<b:rec xmlns:b="urn:xmlmaster:b">
  <b:field />
</b:rec>
</a:root>
```

A.

B.

C.

D.

Correct Answer: B

QUESTION 2

Which of the following correctly describes the output results when performing an XSLT tranformation on the following "XML Document" using the "XSLT Style Sheet" below? Note that the XSLT processor can output transformation results as a document.

```
[XML Document]
<data xml:lang="en">Tokyo</data>

[XSLT Style Sheet]
<xsl:stylesheet version="1.0"
        xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
  <xsl:template match="/">
      <xsl:apply-templates select="data" />
  </xsl:template>

  <xsl:template match="data">
    <xsl:copy>
       <xsl:apply-templates select="." mode="processLang" />
       <xsl:value-of select="." />
    </xsl:copy>
  </xsl:template>

  <xsl:template match="*" mode="processLang">
    <xsl:choose>
       <xsl:when test="@xml:lang">
          <xsl:copy-of select="@xml:lang" />
       </xsl:when>
       <xsl:otherwise>
          <xsl:attribute name="xml:lang">ja-JP</xsl:attribute>
       </xsl:otherwise>
    </xsl:choose>
  </xsl:template>
</xsl:stylesheet>
```

A.

B. Tokyo

C. Tokyo

D. Tokyo

Correct Answer: C

QUESTION 3

Push the Exhibit Button to load the referenced "XML Document".

```
[XML Document]
<Unfinished xmlns='urn:xmlmaster:UNFINISHED">
  <List>
    <Worker xmlns='urn:xmlmaster:WORKER"
Name="Jeff Workman'/>
    <Activity xmlns="urn:xmlmaster:VISIT"
Code="0002">
      <DateTime>2004-07-01 13:00</DateTime>
      <Location xmlns="urn:xmlmaster:CONTACT">
        <Name>John Smith</Name>
        <Address>Shinjuku Ward Tokyo</Address>
      </Location>
      <Job Procedure="Install Air Conditioner"
Time="2"/>
      <Status>COMPLETED</Status>
    </Activity>
    <Activity xmlns="urn:xmlmaster:VISIT"
Code="0003">
      <DateTime>2004-07-01 16:00</DateTime>
      <Location xmlns="urn:xmlmaster:CONTACT">
        <Name>Ken Miller</Name>
        <Address>Shibuya Ward Tokyo</Address>
      </Location>
      <Job Procedure="Clean air conditioner"
Time="2"/>
      <Status>WAITING</Status>
    </Activity>
  </List>
</Unfinished>
```

When processing the "XML Document" according to the method shown by "DOM Processing," which of the

following correctly describes the output results (print and/or println method output)? Although the expected processing result is choice "A", processing may not occur as expected.

```
[DOM Processing]
Process XML using the following method.
    printXML( doc );
The variable doc here references the Document instance of the loaded XML Document.
The DOM parser is namespace aware.
Assume no execution errors.

public static void printXML( Document doc ) {
  Node node = doc.getElementsByTagNameNS(
                   "urn:xmlmaster:CONTACT", "Name").item(0);
  String name = node.getFirstChild().getNodeValue();

  NodeList nl = doc.getElementsByTagNameNS("urn:xmlmaster:VISIT", "Activity");
  for (int i = 0; i < nl.getLength(); i++) {
    Element elem = (Element)nl.item(i);
    node = elem.getElementsByTagNameNS(
                   "urn:xmlmaster:VISIT", "DateTime").item(0);
    System.out.print("Not Visited:");
    System.out.print(node.getFirstChild().getNodeValue());
    System.out.print(" Worker=" + name);
    node = elem.getElementsByTagNameNS(
                   "urn:xmlmaster:CONTACT", "Name").item(0);
    System.out.print(", Visit(");
    System.out.print(node.getFirstChild().getNodeValue());
    System.out.println(")");
  }
}
```

A. Not Visited:2004-07-01 13:00 Worker=Jeff Workman, Visit(John Smith) Not Visited:2004-07-01 16:00 Worker=Jeff Workman, Visit(Ken Miller)

B. Not Visited:2004-07-01 13:00 Worker=John Smith, Visit(John Smith) Not Visited:2004-07-01 16:00 Worker=John Smith, Visit(Ken Miller)

C. Not Visited:2004-07-01 13:00 Worker=Jeff Workman, Visit(John Smith)

D. Not Visited:2004-07-01 13:00 Worker=John Smith, Visit(John Smith)

Correct Answer: B

QUESTION 4

Push the Exhibit Button to load the referenced "XML Document 1" and "XML Document 2," and process XML using "DOM Processing".

```
[XML Document1]
<ns:root1 xmlns:ns="urn:xmlmaster:EX1">
   <ns:data ns:info="value">string value</ns:data>
</ns:root1>

[XML Document2]
<ns:root2 xmlns:ns="urn:xmlmaster:EX2"/>
```

Select which of the following is the most appropriate expression of the results under XML 1.0. Line feeds and/or indents are not reflected in the results.

```
[DOM Processing]
Process XML using the following method.
   Document output = updateXML( doc1, doc2 );
The variable doc1 here references the Document instance of the loaded "XML Document 1".
The variable doc2 here references the Document instance of the loaded "XML Document 2".
The DOM parser is namespace aware.
Assume no execution errors.

public static Document updateXML( Document doc1, Document doc2 ) {
   String NS = "urn:xmlmaster:EX1";
   Element data = (Element)doc1.getElementsByTagNameNS(NS, "data").item(0);
   Attr info = data.getAttributeNodeNS(NS, "info");

   Attr imported = (Attr)doc2.importNode(info, true);
   doc2.getDocumentElement().setAttributeNodeNS( imported );

   return doc2;
}
```

A.

B.

C.

D.

Correct Answer: C

QUESTION 5

Select which of the following correctly describes the results of performing a validation check on "XML Document". Assume that the XML parser correctly processes the XML Schema schemaLocation attribute.

```
[XML Document]
<TestML xmlns="urn:xmlmaster:testml"
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:schemaLocation="urn:xmlmaster:testml testml.xsd">
  <record level="1" data="100" />
  <record level="2" data="250" />
</TestML>

[testml.xsd]
<xs:schema
        xmlns:xs="http://www.w3.org/2001/XMLSchema"
        targetNamespace="urn:xmlmaster:testml"
        xmlns:tns="urn:xmlmaster:testml">
  <xs:import namespace="urn:xmlmaster:testml"
             schemaLocation="record.xsd" />
  <xs:element name="TestML" type="tns:testmlType" />
  <xs:complexType name="testmlType">
    <xs:sequence>
      <xs:element ref="tns:record" maxOccurs="unbounded" />
    </xs:sequence>
  </xs:complexType>
</xs:schema>

[record.xsd]
<xs:schema
        xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="record" type="recordType" />
  <xs:complexType name="recordType">
    <xs:attribute name="level" type="xs:int" />
    <xs:attribute name="data" type="xs:int" />
  </xs:complexType>
</xs:schema>
```

A. Valid

B. The coding for the XML Schema Document is not appropriate; therefore, an error is thrown (initial error) whenprocesing the "testml.xsd" import element

C. The coding for the XML Schema Document is not appropriate; therefore, an error is thrown (initial error) whenprocesing the "testml.xsd" ""

D. No processing error, but is not valid.

Correct Answer: B

QUESTION 6

Which of the following fault codes is defined in SOAP specification 1.1? (Multiple answers possible. Select two.)

A. MustUnderstand

B. RequiredElement

C. Server

D. SyntaxError

Correct Answer: AC

QUESTION 7

Select the following DOM (Level 2) methods that can add an attribute node (Attr) to an element node (Element). (Multiple answers possible. Select two.)

A. appendChild

B. hasAttribute

C. setAttribute

D. setAttributeNode

Correct Answer: CD

QUESTION 8

Push the Exhibit Button to load the referenced "testml.xsd".

```
[testml.xsd]
<xs:schema
xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:element name="TestML" type="testmlType" />
   <xs:complexType name="testmlType">
      <xs:sequence>
         <xs:element ref="person"
maxOccurs="unbounded" />
      </xs:sequence>
   </xs:complexType>

   <xs:element name="person" type="personType" />
   <xs:complexType name="personType">
      <xs:sequence>
         <xs:element ref="name" />
         <xs:element ref="phone" />
      </xs:sequence>
   </xs:complexType>

   <xs:element name="name" type="xs:string" />
   <xs:element name="phone" type="xs:string" />
</xs:schema>
```

Assume that "testml.xsd" is defined. Without rewriting this XML Schema Document ("testml.xsd"), create a new, separate XML Schema Document to partially change the schema definition to write a cellPhone element as a child element of the person element. As a result, the following "XML Document" will be valid against the new schema. Which of the following correctly describes the new XML Schema Document? Assume the XML parser correctly processes the XML schema schemaLocation attribute.

```
[XML Document]
<TestML>
   <person>
      <name>John Smith</name>
      <phone>03-0000-9999</phone>
      <cellPhone>000-1111-2222</cellPhone>
   </person>
</TestML>
```

```
A   <xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">
       <xs:import schemaLocation="testml.xsd" />
       <xs:complexType name="personType">
          <xs:sequence>
             <xs:element ref="name" />
             <xs:element ref="phone" />
             <xs:element ref="cellPhone" />
          </xs:sequence>
       </xs:complexType>
       <xs:element name="cellPhone" type="xs:string" />
    </xs:schema>
```

```
B   <xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">
       <xs:include schemaLocation="testml.xsd" />
       <xs:complexType name="newPersonType" substitutionGroup="personType">
          <xs:sequence>
             <xs:element ref="name" />
             <xs:element ref="phone" />
             <xs:element ref="cellPhone" />
          </xs:sequence>
       </xs:complexType>
       <xs:element name="cellPhone" type="xs:string" />
    </xs:schema>
```

```
C   <xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">
       <xs:redefine schemaLocation="testml.xsd">
          <xs:complexType name="personType">
             <xs:complexContent>
                <xs:extension base="personType">
                   <xs:sequence>
                      <xs:element ref="cellPhone" />
                   </xs:sequence>
                </xs:extension>
             </xs:complexContent>
          </xs:complexType>
       </xs:redefine>
       <xs:element name="cellPhone" type="xs:string" />
    </xs:schema>
```

```
D   It is not possible to implement a function of the type proposed.
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: C

QUESTION 9

Select a valid XML Document against the "XML Schema" referenced when the Exhibit Button is pushed.

```
[XML Schema]
<xs:schema
        xmlns:xs="http://www.w3.org/2001/XMLSchema"
        targetNamespace="urn:xmlmaster:testml"
        xmlns:tns="urn:xmlmaster:testml">
  <xs:element name="TestML">
    <xs:complexType>
      <xs:sequence>
        <xs:element ref="tns:scenario"
maxOccurs="unbounded" />
      </xs:sequence>
    </xs:complexType>
  </xs:element>

  <xs:element name="scenario">
    <xs:complexType>
      <xs:group ref="tns:elements" />
      <xs:attributeGroup ref="tns:attributes" />
    </xs:complexType>
  </xs:element>

  <xs:group name="elements">
    <xs:sequence>
      <xs:element name="title" type="xs:string" />
      <xs:element name="content" type="xs:string"
/>
    </xs:sequence>
  </xs:group>

  <xs:attributeGroup name="attributes">
    <xs:attribute name="level" type="xs:int" />
    <xs:attribute name="data" type="xs:int" />
  </xs:attributeGroup>
</xs:schema>
```

```
C   A    <TestML xmlns="urn:xmlmaster:testml">
          <scenario level="1" data="100">
           <title>Prologue</title>
           <content>Long long ago...</content>
          </scenario>
         </TestML>

C   B    <TestML xmlns="urn:xmlmaster:testml">
          <scenario level="1" data="100">
           <title xmlns="">Prologue</title>
           <content xmlns="">Long long ago...</content>
          </scenario>
         </TestML>

C   C    <TestML xmlns="urn:xmlmaster:testml"
              xmlns:tns="urn:xmlmaster:testml">
           <scenario tns:level="1" tns:data="100">
            <title>Prologue</title>
            <content>Long long ago...</content>
           </scenario>
          </TestML>

C   D    <TestML xmlns="urn:xmlmaster:testml"
              xmlns:tns="urn:xmlmaster:testml">
           <scenario tns:level="1" tns:data="100">
            <title xmlns="">Prologue</title>
            <content xmlns="">Long long ago...</content>
           </scenario>
          </TestML>
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: B

QUESTION 10

Push the Exhibit Button to load the referenced "XSLT Style Sheet".

```
[XSLT Style Sheet]
<xsl:stylesheet version="1.0"

xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
        xmlns:pre="http://schemas.xmlsoap.org/soap/e
pe/"
        exclude-result-prefixes="pre">

    <xsl:template match="/ | pre:*">
        <xsl:copy>
            <xsl:apply-templates select="pre:*"/>
        </xsl:copy>
    </xsl:template>

    <xsl:template match="pre:Body">
        <xsl:copy-of
select="document('sample.xml')"/>
    </xsl:template>
</xsl:stylesheet>
```

Select which of the following correctly describes the output results of an XSLT transformation of the following "XML Document" using the "XSLT Style Sheet". Assume that the XSLT processor can load "sample.xml" normally, and output transformation results as a document. Line feeds and indents are not reflected. Although the expected processing result is choice "E", processing may not occur as expected.

```
[XML Document]
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/">
    <SOAP-ENV:Body></SOAP-ENV:Body>
</SOAP-ENV:Envelope>

[sample.xml]
<mst:GetExamList xmlns:mst="urn:xmlmaster:test">
    <mst:title>XML MASTER</mst:title>
</mst:GetExamList>
```

A.

B.

C. XML MASTER

D. XML MASTER

E. XML MASTER

Correct Answer: D