XML I10-002 Practice Questions

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Question 1

Question Type: MultipleChoice

Push the Exhibit Button to load the referenced "XML Document". Select which of the following correctly describes the output results of an XSLT transformation of the "XML Document" using the "XSLT Style Sheet".

[XML Document]

lmnop

Note that the XSLT processor can output transformation results as a document. Line feeds and indents are not reflected.

[XSLT Style Sheet]

```
<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
  <xsl:template match="/">
    <out>
      <xsl:apply-templates select="root"/>

    </out>
  </xsl:template>
  <xsl:template match="root">
    <xsl:call-template name="namedTemplate"/>
    <xsl:apply-templates select="data" />
  </xsl:template>
  <xsl:template match="data" name="namedTemplate">
    <TEST><xsl:copy-of select="." /></TEST>
  </xsl:template>
</xsl:stylesheet>
```

Options:

A- <out>
<TEST><root><data>lmnop</data></root></TEST>
<TEST><root><data>lmnop</data></root></TEST>
</out>

B- <out>
<TEST><data>lmnop</data></TEST>
<TEST><data>lmnop</data></TEST>
</out>

C- <out>
<TEST><data>lmnop</data></TEST>

<TEST><root><data>lmnop</data></root></TEST>
</out>
D- <out>
<TEST><root><data>lmnop</data></root></TEST>
<TEST><data>lmnop</data></TEST>
</out>

Answer:

D

Question 2

Question Type: MultipleChoice

Which option best is clearly an unnecessary step in procedures to create digital signature via XML-Signature?

Options:

A- Prepare a key for signing
B- Normalize the subject of the signature (normalization via Canonical XML, etc.)
C- Remove namespaces in the subject of the signature
D- Calculate a digest of the subject of the signature

Answer:

C

Question 3

Question Type: MultipleChoice

Use DOM programming to create XML according to the schema defined by TravelXML (portions modified for this question). Create XML according to the method shown by "DOM Processing". Select which of the following correctly describes the results of performing a validation check on the created XML against the schema ("XML Schema" referenced when the Exhibit Button is pushed).

[DOM Processing]

Create XML using the following method.

Document doc = createXML(impl);

The variable impl here references the DOMImplementation instance.

The DOM parser is namespace aware.

Assume no execution errors.

Options:

A- The root element (document element) of the created XML is an empty element, and the created XML is not valid against the schema
B- The created XML does not include the required elements defined by the schema (all elements defined once they have appeared, namespace reflected); therefore, is not valid
C- The created XML includes all of the required elements defined by the schema (all elements defined once they have appeared, namespace refleted); however, is not valid
D- The created XML is valid

Answer:

C

Question 4

Question Type: MultipleChoice

Push the Exhibit Button to load the referenced "XML Document". Create an XML Schema Document for "XML Document". The definitions of this XML Schema Document require that the value of the level attribute of the record element must be singularly unique within the XML document, and further, that the level attribute of the scenario element must reference the value of the level attribute of the record element. Select which of the following correctly describes what should be written in " XML Schema " document (1).

```
[XML Document]
<TestML>
   <record level="1" data="100" />
   <record level="2" data="250" />
   <scenario stage="A" level="1" />
   <scenario stage="B" level="2" />
</TestML>

[XML Schema]
<xs:schema xmlns:xs=  "  http://www.w3.org/2001/XMLSchema  "  >
    ------(1)------
      <xs:complexType name=  "  testmlType  "  >
      <xs:sequence>
        <xs:element ref=  "  record  "  maxOccurs=  "  unbounded  "  />
        <xs:element ref=  "  scenario  "  maxOccurs=  "  unbounded  "
      </xs:sequence>
   </xs:complexType>
      <xs:element name=  "  record  "  type=  "  recordType  "  />
   <xs:complexType name=  "  recordType  "  >
      <xs:attribute name=  "  level  "  type=  "  xs:int  "  />
      <xs:element name=  "  scenario  "  type=  "  scenarioType  "  />
<xs:complexType name=  "  scenarioType  "  />
   <xs:attribute name=  "  stage  "  type=  "  xs:string  "  />
   <xs:attribute name=  "  level  "  type=  "  xs:int  "  />
</xs:complexType>
</xs:schema>
```

Options:

A- The service operation is RPC oriented, and either a parameter or return value is included in the
SOAP message

B- It is easy to achieve agreement as to the XML format to be used for transmission between the developers of the linked system

C- If there is an application package product available, a cost comparison can be made between purchasing the package or developing the application in-house to make the most cost-effective selection
D- The specification includes a definition of XML included in the SOAP Body element

Answer:

D

Question 5

Question Type: MultipleChoice

Select which of the following correctly describes WSDL. (WSDL 1.1)

Options:

A- WSDL assumes SOAP as the message transmission form
B- When WSDL is defined by a combination of style='rpc' and use='encoded', then encodingStyle='http://schemas.xmlsoap.org/soap/encoding/' must be designated
C- When WSDL is defined by a combination of style='rpc' and use='encoded', then the encodingStyle attribute cannot be designated
D- WSDL may be defined by a combination of style='rpc' and use='literal'

Answer:

D

Question 6

Question Type: MultipleChoice

When processing the following "XML Document" Based on the method shown by "DOM Processing," which of the following correctly describes the output results (print method output)?

Options:

A- 44
B- 43
C- 42
D- 33

E- 32
F- 31

Answer:

E

Question 7

Question Type: MultipleChoice

Use DOM programming to create XML according to the schema defined by NewsML (portions modified for this question). Push the Exhibit Button to load the referenced "XML Document".

[XML Document]

Load the "XML Document" and update the XML according to the method shown by "DOM Processing". Select which of the following correctly describes the results of performing a validation check on the created XML against the schema ("DTD" and "article.dtd"). Assume that "article.dtd" can be parsed normally during validation. The existence of a document type declaration during validation is not reflected.

[DOM Processing]

Create XML using the following method.

Document output = createXML(doc);

The variable doc here references the Document instance of the loaded XML Document.

Assume no execution errors.

Options:

A- The created XML does not include required attributes; therefore, is not valid against the schema
B- The created XML has an illegal attribute value; therefore, is not valid against the schema
C- The created XML does not follow element type declarations; therefore, is not valid against the schema
D- The created XML is valid against the schema

Answer:

A

Question 8

Question Type: MultipleChoice

Push the Exhibit Button to load the referenced "testml.xsd". 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 replacing the phone element with a cellPhone 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 that the XML parser correctly processes the XML Schema schemaLocation attribute.

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

Options:

A- The root element (document element) of the post-transformation XML is an empty element, and the post-transformation XML is not valid against the schema
B- The coding for the XML Schema Document is not appropriate; therefore, an error is thrown (initial error) when procesing the 'testml.xsd' import element
C- The root element (document element) of the created XML is an empty element, and the created XML is not valid against the schema
D- It is not possible to implement a function of the type proposed.

Answer:

B

Question 9

Question Type: MultipleChoice

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

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(doc);

The variable doc here references the Document instance of the loaded XML Document.

The DOM parser is namespace aware.

Assume no execution errors.

Options:

A- <root xmlns='urn:xmlmaster:EX'>
<data1>string value</data1>
<ns:data2 xmlns:ns='urn:xmlmaster:EX'>
<data1>string value</data1>
</ns:data2>
</root>
B- The coding for the XML Schema Document is not appropriate; therefore, an error is thrown (initial error) when processing the 'testml.xsd' import element
C- The media type identification appends <?xml version='1.0' encoding='us-ascii'?>, at which point the XML processor throws an error when processing the XML document
D- <root xmlns='urn:xmlmaster:EX'>
<data2>
<data1>string value</data1>
</data2>
</root>

Answer:

C

Question 10

Question Type: MultipleChoice

Which option best describes the most correct call order of the ContentHandler interface

methods when parsing the following "XML Document" using a validating SAX parser? This question reflects line feeds within the XML Document.

Options:

A- startDocument - startElement - ignorableWhitespace - startElement - characters - endElement - ignorableWhitespace - endElement - endDocument
B- startDocument - startElement - characters - startElement - characters - endElement - characters - endElement - endDocument
C- startDocument - startElement - startElement - characters - endElement - endElement - endDocument
D- startDocument - startElement - startElement - characters - endElement - ignorableWhitespace - endElement - endDocument

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Answer:

B

Question 11

Question Type: MultipleChoice

What must you write in XSLT style sheet (1) to process the following "XML Document" and obtain the following "transform results"? Select the correct answer below. Note that "#" indicates a line feed, and "=*" indicates a tab. Assume that the XSLT processor can output transformation results as a document.

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```
[XML Document]
<doc>#
=*<body>#
=*=*<content>#
=*=*=*Apple#
=*=*=*Orange#
=*=*</content>#
=*</body>=
</doc>
[transform results]
#
=*=*=*Apple#
=*=*=*Orange#
=*=*
[XSLT Style Sheet]
<xsl:stylesheet version= " 1.0 " xmlns:xsl= " http://www.w3.org/1999/XSL/Transform " >
--------(1)--------
<xsl:output method= ' text "
<xsl:template match= " content
<xsl:value-of select= " "
</xsl:template>
</xsl:stylesheet>
```

Options:

A- Nothing needs to be written.
B- The root element (document element) of the post-transformation XML is an empty element, and the post-transformation XML is not valid against the schema
C- Character encoding is determined by the system locale. Since the XML declaration is appended accordingly, in certain cases the XML processor will throw an error when processing the XML document
D- The media type identification appends <?xml version='1.0' encoding='us-ascii'?>, at which point the XML processor throws an error when processing the XML document

Answer:

D

Question 12

Question Type: MultipleChoice

Which of the following DOM (Level 2) nodes is not a child node of an element node (Element) in DOM trees?

Options:

A- Element
B- Processing Instruction
C- Attr
D- Comment

Answer:

C

Question 13

Question Type: MultipleChoice

Select which of the following DOM (Level 2) nodes does not hold a value (returns "null"). (Multiple answers possible. Select two.)

Options:

A- Attr
B- Comment
C- Element
D- Document

Answer:

C, D

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