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**Shared by Glenn on 06-06-2022**

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# Question 1

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**Question Type: MultipleChoice**

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

[XML Document]

Today's "hot" news

Select which of the following is the most appropriate expression of the results under XML 1.0.

[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.

Assume no execution errors.

**Options:**

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**A-** <doc><content>Today's<bold>'hot'</bold>news</content></doc>

**B-** `<doc><content>Today's<b></b>news</content></doc>`

**C-** `<doc><content>Today's'hot'news</content></doc>`

**D-** `<doc><content>Today'snews</content></doc>`

**Answer:**

---

D

## Question 2

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**Question Type:** MultipleChoice

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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:

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**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-** `<root xmlns='urn:xmlmaster:EX'>`

`<data1>string value</data1>`

`<data2>`

`<data1>string value</data1>`

`</data2>`

`</root>`

**C-** `<root xmlns='urn:xmlmaster:EX'>`

`<ns:data2 xmlns:ns='urn:xmlmaster:EX' xmlns=''>`

`<data1 xmlns='urn:xmlmaster:EX'>string value</data1>`

`</ns:data2>`

`</root>`

**D-** `<root xmlns='urn:xmlmaster:EX'>`

```
<data2>  
<data1>string value</data1>  
</data2>  
</root>
```

**Answer:**

---

C

## Question 3

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**Question Type: MultipleChoice**

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When processing the following "XML Document" according to the method shown by "SAX Processing," which of the following correctly describes the output results (print method output)?

**Options:**

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**A-** 2005-01-01Today's news

**B-** 2005-01-01Today's news

**C-** Today's news

D- 2005-01-01

**Answer:**

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C

## Question 4

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**Question Type: MultipleChoice**

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Under the SAX specification, which of the following is a method for determining whether to validate a document with the SAX parser?

**Options:**

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- A- Use the getFeature method of XMLReader interface to look up the feature value under the name 'http://xml.org/sax/features/validation'
- B- Use the parse method of XMLReader interface to investigate whether an error occurs
- C- Use the parseWithValidating method of XMLReader interface
- D- Use the isValidatingParser method of XMLReader interface

**Answer:**

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A

## Question 5

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**Question Type:** MultipleChoice

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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:**

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- 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:**

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A

## Question 6

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**Question Type: MultipleChoice**

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Which of the following 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:

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- 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

### Answer:

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B

## Question 7

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### Question Type: MultipleChoice

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Use XSLT transformation to create XML according to the schema (portions modified for this question) defined by TravelXML. Perform XSLT transformation on the "XML Document" using the following "XSLT Style Sheet". Select which of the following correctly describes the results of performing a validation check on the post- transformation XML against the schema ("XML Schema" referenced when the Exhibit Button is pushed).

### Options:

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- 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 post-transformation 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 post-transformation XML includes all of the required elements defined by the schema (all elements defined once they have appeared, namespace reflected); however, is not valid
- D-** The post-transformation XML is valid

### Answer:

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D

## Question 8

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### Question Type: MultipleChoice

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Push the Exhibit Button to load the referenced "XML Document". When processing the "XML Document" according to the method shown by "SAX Processing," which of the following correctly describes the output results (print and/or println method output)?

[XML Document]

2004-07-01

2004-07-01 09:00

Helen Edwards

2004-07-01 13:00

John Smith

Assume that the processed XML Document has no indents (ignorable white space such as line feeds, tabs, etc.).

[SAX Processing]

Use the following "ContentHandlerImpl" class, and parse the XML Document using SAX.

The SAX parser is namespace aware.

Assume no execution errors.

### **Options:**

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**A-** Install freezer 2004-07-01 09:00 --- Helen Edwards \*\*\*

Install air conditioner 2004-07-01 13:00 --- John Smith \*\*\*

**B-** 2004-07-01 09:00 --- Helen Edwards \*\*\* Install freezer

2004-07-01 13:00 --- John Smith \*\*\* Install air conditioner

**C-** 2004-07-01 09:00 --- Helen Edwards \*\*\*

2004-07-01 13:00 --- John Smith \*\*\*

**D-** Nothing is output.

**Answer:**

---

B

## Question 9

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**Question Type: MultipleChoice**

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Push the Exhibit Button to load the referenced "XML Document". When processing the "XML Document" according to the method shown by "SAX Processing," which of the following correctly describes the output results (println method output)?

Assume that the processed XML Document has no indents (ignorable white space such as line feeds, tabs, etc.). [SAX Processing] Use the following "ContentHandlerImpl" class, and parse the XML Document using SAX. The SAX parser is namespace aware. Assume no execution errors.

**Options:**

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**A-** Tom Nelson

Shinjuku Ward Tokyo

000-1111-2222  
XML Company Ltd

**B-** Doug Little

Gina Jones

Tom Nelson

**C-** Tom Nelson

**D-** Nothing is output.

**Answer:**

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C

## Question 10

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**Question Type: MultipleChoice**

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

Note that the XSLT processor can output transformation results as a document. Although the expected processing result is choice gAh, processing may not occur as expected.

[XML Document]

2005-01-01

South Street, East Town

102

89

70

**Options:**

---

**A-** 2005-01-01, South Street# East Town, 102, 89, 70

**B-** 2005-01-01, South Street# East Town 102, 89, 70

**C-** 2005-01-01, #, 102, 89, 70

**D-** 2005-01-01, #102, 89, 70

**Answer:**

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A

# Question 11

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## Question Type: MultipleChoice

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

### Options:

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**A-** <SOAP-ENV:Envelope xmlns:SOAP-ENV='http://schemas.xmlsoap.org/soap/envelope/' />

**B-** <SOAP-ENV:Envelope xmlns:SOAP-ENV='http://schemas.xmlsoap.org/soap/envelope/'>  
<SOAP-ENV:Body></SOAP-ENV:Body>  
</SOAP-ENV:Envelope>

**C-** <SOAP-ENV:Envelope xmlns:SOAP-ENV='http://schemas.xmlsoap.org/soap/envelope/'>  
<SOAP-ENV:Body>  
<mst:title>XML MASTER</mst:title>  
</SOAP-ENV:Body>  
</SOAP-ENV:Envelope>

**D-** <SOAP-ENV:Envelope xmlns:SOAP-ENV='http://schemas.xmlsoap.org/soap/envelope/'>  
<mst:GetExamList xmlns:mst='urn:xmlmaster:test'>

```
<mst:title>XML MASTER</mst:title>
</mst:GetExamList>
</SOAP-ENV:Envelope>
E- <SOAP-ENV:Envelope xmlns:SOAP-ENV='http://schemas.xmlsoap.org/soap/envelope/'>
<SOAP-ENV:Body>
<mst:GetExamList xmlns:mst='urn:xmlmaster:test'>
<mst:title>XML MASTER</mst:title>
</mst:GetExamList>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

**Answer:**

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D

## Question 12

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**Question Type:** MultipleChoice

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Which of the following is incorrect with respect to general characteristics of DOM (Level 2) processing and data binding tool processing?



## Options:

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- A-** Data types such as integers and dates cannot be handled by DOM; however, a data binding tool can be used to handle the data type
- B-** A validation against the schema cannot be performed with the DOM; however, a data binding tool can be used to perform a validation against the schema
- C-** A DOM parser cannot be used to execute a program created to use a different DOM parser; however, a data binding tool can be used to execute a program created to use a different data binding tool
- D-** For a compiled programming language, compared to DOM processing, a data binding tool can detect more element name mistakes and other programming errors during compiling

## Answer:

---

C

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