

Exam 000-141 study material

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Free 000-141 Exam Preparation Questions

Exam 000-141: XML and Related Technologies

Question: 1

Consider the following XML Schema fragment:

```
<xsd:element name="Person"> <xsd:complexType> <xsd:all> <xsd:element name="FirstName" ...
1><xsd:element name="LastName" ... |>... </xsd:all>
< /xsd:complexType>
</xsd:element>
```

When utilizing the XML Schema "all" compositor within an element declaration, which of the following statements are necessary pre-requisites?

- A. The "all" compositor must be the first and only child of the complex type element, and it cannot be combined with either "choice" or "sequence" compositor.
- B. All of the elements declared within the compositor "all" should have minimum occurrence of 0 and maximum occurrence of 1.
- C. All of the elements declared within the compositor "all" should be of complex type.
- D. All of the elements declared within the compositor "all" should be of simple type.
- E. The "all" compositor can only be defined on anonymous complex types.

Answer: A, B

Question: 2

Which of the following represents the BEST reason that the Document Object Model (DOM) might NOT be used in a given XML application?

- A. It is permissible that the application be non-validating.
- B. The application demands complex processing.
- C. The application is subject to significant constraints on memory usage.
- D. The architecture requires the use of attributes.

Answer: C

Question: 3

Which of the following statements is TRUE for a well-formed XML document?

- A. It must contain <!DOCTYPE ... |> statement.
- B. There must be at least ONE root element that has NO attributes.
- C. Each of the parsed entities referenced is well-formed.
- D. The root element CANNOT belong to a namespace.
- E. An attribute value cannot have reference to an entity.

Answer: C

Question: 4

An organization is currently migrating its application to XML. The document instances are created mostly from back-end processes; however, they also receive accounts-receivable and bill-of-lading data from two business partners. Which of the following factors support the use of XML Schemas instead of DTDs for validation?

- A. The vocabulary is proprietary.
- B. The DTD is comprised of internal and external subsets dependent on instance usage.
- C. Namespace support is being built into the application.
- D. Strong datatyping is needed by the application.

Answer: C, D

Question: 5

The XML spec constrains the valid values for an ID attribute. Which of the following is FALSE?

- A. ID attribute value cannot begin with and contain any whitespace.
- B. ID attribute value cannot begin with a number.
- C. ID attribute value cannot match the value of an existing IDREF attribute value.
- D. ID attribute value has to be unique throughout the whole XML document.

Answer: C

Question: 6

Refer to the exhibit to answer the question.

A store has multiple cash registers. At any one time, a register can be closed (no clerk is assigned to it) or open (one clerk is assigned to it). When the business is open, customers can purchase one or more of each of a set of products (with a price and unique ID) at any cash register. Each of these purchase events is called a sales transaction (with a unique ID and a start time), which contains a collection of line items - one for each quantity of a type of product purchased, such as three (3) pencils (product code 9-P05) @ \$50 each, for a line item amount of \$1 .50.

Which of the following DTD constraints could satisfy a portion of the requirements?

- A. <!ELEMENT product-code CDATA>
- B. <!ELEMENT sales-trans (trans-id line-item+, trans-start)>
- C. <!ATTLIST line-item item-number CDATA #REQUIRED quantify CDATA #REQUIRED>
- D. <!ATTLIST trans-date mm-dd-yy DATE
- E. </ELEMENT product-code>

Answer: B, C

Question: 7

Which of the following statements reflects the BEST approach to rendering XML in a diverse range of clients?

- A. Format the XML during the XSL Transformation phase on the server using Format Objects based on xsl:template rules.
- B. Format the XML during the XSL Transformation phase on the server using xsl: output in conjunction with an xsl:choose and various xsl:when statements.
- C. Format the XML DOM in the middle tier XML application and deliver the objects to the requesting client.
- D. Use a combination of XSL Transformation processing and application processing to provide the necessary formatting to render the XML for specific uses.

Answer: D

Question: 8

Which of the following XSL FO elements represent block level elements?

- A. fo:block
- B. fo:flow
- C. fo:table
- D. fo:table-and-caption
- E. fo:page-sequence

Answer: A, C, D

Question: 9

When both print and Web output are required from a single XML source file, it is usually BEST to: A.

Use the same XSL stylesheet for both media.

- B. Use a CSS stylesheet for print output and an XSL stylesheet for Web output.
- C. Use XSL and CSS in combination to produce both web and print output.
- D. Write two style sheets and use `xsl:include` to include a common set of rules.

Answer: D

Question: 10

Which of the following statements is NOT a capability of Cascading Style Sheets (CSS)?

- A. CSS has a rule-based syntax that is non-XML.
- B. CSS has some of the same styling capabilities offered by XSL-FO.
- C. CSS supports right-to-left text.
- D. CSS can be used when the structure of the source document is very close to the final display form.

Answer: C

Question: 11

Which of the following output type values can be used in the `<xsl:output method="?" />` construct?

- A. PTF
- B. Text
- C. XML
- D. PDF
- E. HTML
- F. WML
- G. SVG

Answer: B, C, E

Question: 12

A rendering system that gets XML information from back-end data sources has to display binary image files. Also, the rendering system should handle multiple rendering targets like web browsers, hand-held phones, and PDAs. What is the BEST way to send the binary image information to the rendering system?

- A. The rendering system should have a component to convert binary images from one format to another.
- B. XLink should be used to identify the image location for each device that can be used by the device to display the image.
- C. XSL FO can be used to format binary image objects for different rendering targets.
- D. Images should be embedded as attachments to the XML documents sent to rendering system.

Answer: B

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