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**Vendor:**IBM

**Exam Code:**000-141

**Exam Name:**XML and related technologies

**Version:**Demo

**QUESTION 1**

The XSLT literal result element can also be written as which of the following XSLT fragments?

- A.
- B.
- C.
- D.
- E.
- F.

Correct Answer: AB

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**QUESTION 2**

Which of the following, if any, is the CORRECT mechanism to link an XML document to the given XML Schema?

- A. .
- B.
- C. a
- D. a
- E. There was no global element specified in the XML Schema.

Correct Answer: C

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### QUESTION 3

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.

Correct Answer: CD

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### QUESTION 4

Which of the following are TRUE about the following XPath expression?

- A. The same node-set would be returned by
- B. It is equivalent to
- C. It is equivalent to , if all "y"s have a "z" attribute.
- D. It can be used to select an element or an attribute.

Correct Answer: BC

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### QUESTION 5

Notations can be used to identify all of the following EXCEPT:

- A. The location of the images

- B. The format of unparsed entities
- C. The format of element attributes of the ENTITY and ENTITIES types
- D. The application associated with a processing instruction (PI)

Correct Answer: A

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### 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.
- B.
- C.
- D.
- E.

Correct Answer: BC

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### QUESTION 7

Peter to the exhibit to answer the question.

1.

Using YourCo marketplace, companies can quickly search and locate products and services online.

2.

Once a company finds a products or service suitable for their need, the company can solicit pricing information (quotations) from various sellers.

3.

Multiple sellers of a same kind product or service can bid to sell a product.

4.

Once the company finalizes the desired product(s), price and seller, it notifies the seller sends an invoice to the customer.

5.

The marketplace interacts with banks on behalf of the sellers and buyers to execute the financial transactions of an exchange.

XML will be used extensively for data exchange between heterogeneous entities.

The goals of the design are to produce a stable and efficient e-commerce site. Which of the following technologies would MOST LIKELY improve the design or performance of the XML- based e-commerce application?

- A. XML Query
- B. XML Schema
- C. XSL Format Objects
- D. SAX
- E. XSLT

Correct Answer: BDE

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#### QUESTION 8

A credit card processing application must interface with a legacy database system using XML for processing the details entered by an online user using a web browser. Which of the following is MOST likely to be present in the design?

- A. The web browser will process the user input and generate XML as per the required schema.
- B. A web application will process the user input and generate XML as per the required schema.
- C. A web application will use XSL Transformations to transform HTML user input to XML.
- D. A web application will use XSL FO and CSS to transform HTML user input to XML.

Correct Answer: B

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#### QUESTION 9

Which of the following approaches can be used to reduce the time needed to parse an XML document?

- A. Use parameter entities to shorten DTDs.
- B. Refer to external entities over a network connection to avoid reading from a disk.
- C. Use general entities to shorten instance documents by reusing content that appears frequently.
- D. Use entities to eliminate the need for validation.

Correct Answer: AC

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**QUESTION 10**

The ParserAdapter class in SAX2 converts:

- A. A DOM2 Parser type to a SAX2 Parser type
- B. A SAX2 Parser type to a DOM2 Parser type
- C. A SAX1 Parser type to SAX2 XMLReader type
- D. A SAX1 Parser type to SAX2 Parser type
- E. An InputSource type to SAX2 XMLReader type

Correct Answer: C

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**QUESTION 11**

The difference between an xsl:variable and xsl:param is that

- A. Only one has a required name attribute, which specifies the name of the variable.
- B. The value specified on the xsl:param variable is only a default value for the binding and can be specified at "process time".
- C. The scope of the xsl:variable is limited to the entire style sheet.
- D. xsl:param is used as a "global variable".

Correct Answer: B

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**QUESTION 12**

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 DTD5 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.

Correct Answer: CD

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