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SUN Sun Certified Developer for Java Web Services

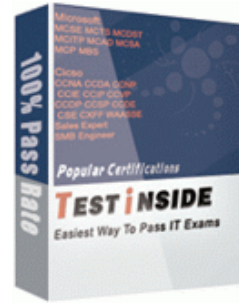
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Exam Number/Code: 310-230

Exam Name: Sun Certified Developer for Java Web Services

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Exam : SUN 310-230

Title : Sun Certified Developer for Java Web Services

1. A developer is defining a SOAP binding in the WSDL for their new service.

Which XML fragment is WSDL 1.1 compliant?

A. <soap:binding

transport=Http://www.w3.org/2001/XMLSchema?style="document"/>

B. <soap:binding

transport=Http://schemas.xmlsoap.org/wsdl/soap/?style="document"/>

C. <soap:binding

transport=Http://schemas.xmlsoap.org/soap/http?style="document"/>

D. <soap:binding

transport=Http://schemas.xmlsoap.org/soap?style="rpc"/>

Answer: C

2. A developer needs to define an array of long integers in their Basic Profile compliant Web service and is given the following code fragment for analysis:

```
<Schema targetNamespace="http://sun.cert/types"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl">
<!-- insert code here -->
</schema>
```

Assume all XML fragments are well-formed.

According to the WS-I Basic Profile 1.1, which type definition can be used to define an array of longs?

A. <xsd:complexType name="longArray">

<xsd:array>

<xsd:element name="item" type="xsd:long"/>

</xsd:array>

</xsd:complexType>

B. <xsd:complexType name="longArray">

<xsd:sequence>

<element name="item" type="xsd:long"/>

</xsd:sequence>

</xsd:complexType>

C. <xsd:complexType name="longArray">

<xsd:array>

<xsd:element name="item" type="xsd:long" minOccurs="0"

maxOccurs="unbounded"/>

</xsd:array>

</xsd:complexType>

D. <xsd:complexType name="longArray">

<xsd:sequence>

<xsd:element name="item" minOccurs="0" maxOccurs="5"

type="xsd:long"/>

```
</xsd:sequence>
</xsd:complexType>
E. <xsd:complexType name="longArray">
<xsd:sequence>
<xsd:element name="item" minOccurs="0" maxOccurs="5"
type="xsd:integer"/>
</xsd:sequence>
</xsd:complexType>
```

Answer: D

3. A company is refactoring an existing website to use Web services clients. The application retrieves lists of parts and displays them to the users in a browser window. Previously, the data was stored as files on the web server and, in order to access the files, the user would simply click on a hyperlink. Now the data must be dynamically generated via a service that another developer has created. They want the easiest way to refactor their website to use Web services.

Which three technologies should they use? (Choose three.)

- A. SOAP
- B. REST
- C. Javascript
- D. XML
- E. JSON
- F. Java

Answer: BCE

4. A team of developers is describing a set of endpoints in their new SOA application.

Given the WSDL extract:

```
<service name="InventoryServices">
<port name="PurchaseOrder" binding="tns:POBinding">
<soap:address location="http://192.168.0.2:8080/inventory"/>
</port>
<port name="Invoice" binding="tns:InvoiceBinding">
<soap:address location="http://192.168.0.2:8080/inventory"/>
</port>
</service>
```

Which statement is true about this WSDL extract?

- A. The extract is WS-I Basic Profile 1.1 compliant because both port element names are different.
- B. The extract is NOT WS-I Basic Profile 1.1 compliant because both port elements point to the same location.
- C. The extract is WS-I Basic Profile 1.1 compliant because both port elements point to different binding elements.
- D. The extract is NOT WS-I Basic Profile 1.1 compliant because it contains two port elements in the same service.
- E. The extract is WS-I Basic Profile 1.1 conformant because both port element names are different.
- F. The extract is WS-I Basic Profile 1.1 conformant because the port, binding, and service element combinations are unique.

Answer: B

5. for a company's new software, the developers are constructing abstract definitions of the data being communicated by their document style Web service.

Given the targetNamespace:

```
xmlns:xsd="http://sun.com/sample.xsd"
```

Which is a valid wsdl:message containing a wsdl:part?

```
A. <message name="GetInput">
<part name="body" attribute="tns:InputRequest"/>
</message>
```

B. <message name="GetInput">
 <part name="body" element="tns:InputRequest"/>
 </message>

C. <message name="GetInput">
 <part name="body" attribute="xsd:InputRequest"/>
 </message>

D. <message name="GetInput">
 <part name="body" element="xsd:InputRequest"/>
 </message>

E. <message name="GetInput">
 <part name="body" element="xsd:string"/>
 </message>

F. <message name="GetInput">
 <part name="body" element="InputRequest"/>
 </message>

Answer: D

6. Which fragment is Basic Profile 1.1 compliant?

A. <port name="testWS"> <operation name="runit">
 <input message="tns:runit"/>
 <output message="tns:runitResponse"/>
 </operation>
 </port>
 <binding name="testWSPortBinding" type="tns:testWS">
 .
 .
 .
 <operation name="runit">
 <soap:operation soapAction="tns:runit"/>
 <input>
 <soap:body use="literal"/>
 </input>
 <output>
 <soap:body use="literal"/>
 </output>
 </operation>
 </binding>

B. <portType name="testWS">
 <operation name="runit">
 <input message="tns:runit"/>
 <output message="tns:runitResponse"/>
 </operation>
 <operation name="saveit">
 <input message="tns:saveit"/>
 <output message="tns:saveitResponse"/>
 </operation>
 </portType>
 <binding name="testWSPortBinding" type="tns:testWS">
 .
 .
 .
 <operation name="runit">
 <soap:operation soapAction="tns:runit"/>

```

<input>
<soap:body use="literal"/>
</input>
<output>
<soap:body use="literal"/>
</output>
</operation>
</binding>
C. <port name="testWS">
<operation name="runit">
<input message="tns:runit"/>
<output message="tns:runitResponse"/>
</operation>
</port>
<binding name="testWSPortBinding" type="tns:testWS">
.
.
.
<operation name="runit">
<soap:operation soapAction="runit"/>
<input>
<soap:body use="literal"/>
</input>
<output>
<soap:body use="literal"/>
</output>
</operation>
</binding>
D. <portType name="testWS">
<operation name="runit">
<input message="tns:runit"/>
<output message="tns:runitResponse"/>
</operation>
</portType>
<binding name="testWSPortBinding" type="tns:testWS">
.
.
.
<operation name="runit">
<soap:operation soapAction="runit"/>
<input>
<soap:body use="literal"/>
</input>
<output>
<soap:body use="literal"/>
</output>
</operation>
</binding>

```

Answer: D

7. Which situation requires the client to use the Dispatch interface to access the Web service?

- A. The client and the server are on different platforms.
- B. The client has access to the portable artifacts, but not to the WSDL.

- C. The client has access to the WSDL, but not to the portable artifacts.
- D. The client will access a REST-based service.

Answer: D

8. According to the XML-to-Java mappings used by JAX-WS, which three elements or attribute declarations are mapped to a Java primitive wrapper class (for example, java.lang.Short)? (Choose three.)

- A. <xsd:element name="age" type="xsd:short" minOccurs="0"/>
- B. <xsd:element name="age" type="xsd:short" nillable="true"/>
- C. <xsd:element name="age" type="xsd:short" nillable="false"/>
- D. <xsd:attribute name="required" type="xsd:boolean" use="optional"/>
- E. <xsd:attribute name="required" type="xsd:boolean" use="required"/>
- F. <xsd:attribute name="required" type="xsd:boolean" nillable="false"/>

Answer: ABD

9. Which two statements are true about XML schemas and WSDL 1? (Choose two.)

- A. http://schemas.xmlsoap.org/wsdl/ is the WSDL namespace for SOAP binding.
- B. xsi is used as a prefix to represent the schema namespace as defined by XSD.
- C. XSD schemas are used as a formal definition of WSDL grammar.
- D. xsd is used as a prefix to represent the schema namespace as defined by XSD.
- E. http://schemas.xmlsoap.org/wsdl/http/ is the WSDL namespace for SOAP binding.

Answer: CD

10. What are three benefits of using SSL to connect to a Web service without mutual authentication? (Choose three.)

- A. The server is assured of the client's identity if the client issues the certificate.
- B. The client is assured of the server's identity.
- C. Message integrity is preserved between the client and the server.
- D. The communication between the client and the server is still logged.
- E. The communication between the client and the server is encrypted.
- F. Using SSL over HTTP incurs less overhead than HTTPS.

Answer: BCE

11. A developer is creating a servlet-based endpoint for a new payroll application.

What are three requirements for the service? (Choose three.)

- A. It needs to be packaged as a WAR file.
- B. It needs to be packaged as a JAR file.
- C. It requires a META-INF folder.
- D. It requires a WEB-INF folder.
- E. webservices.xml is required.
- F. web.xml is required.

Answer: ADF

12. A developer is creating an XML schema that is Basic Profile compliant, and has elements that require long integer values.

Given the code:

```
<Schema targetNamespace="http://sun.cert/types"
xmlns:ns0="http://www.w3.org/2001/XMLSchema"
xmlns="http://www.w3.org/2001/XMLSchema"
xmlns:xsd="http://sun.cert/xsdTypes"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
<complexType name="Foo">
<sequence>
<!-- insert code here -->
</sequence>
```

</complexType>

</schema>

Assuming that no other namespace declarations exist, which two elements use the long type that is defined in the <http://www.w3.org/2001/XMLSchema> namespace? (Choose two.)

- A. <element name="length" type="long"/>
- B. <element name="length" type="xsi:long"/>
- C. <element name="length" type="xsd:long"/>
- D. <element name="length" type="ns0:long"/>
- E. <element name="length" type="integer"/>
- F. <element name="length" type="xsd:integer"/>

Answer: AD

13. A company's new investment management Java application and a legacy stock trader application need to communicate, but they use different JMS implementations. A developer decides to implement a JMS bridge to solve the problem.

Which two advantages does this pattern provide? (Choose two.)

- A. It converts the interface of a class into another interface that clients expect.
- B. It decouples an abstraction from its implementation so that the two can vary independently.
- C. It dynamically attaches additional responsibilities to an object.
- D. It optimizes network traffic.
- E. It is vendor independent.

Answer: BE

14. A JAXR client has established connection with a UDDI registry and needs to get a service binding from the registry.

What is required to accomplish this task?

- A. find the appropriate concept and then find the service binding associated with that concept
- B. find the appropriate authentication token and then find the service binding associated with that authentication token
- C. find the appropriate organization, get the tModel associated with that organization, and then find the service binding associated with the tModel
- D. find the appropriate organization, find the services associated with that organization, and then find the service binding associated with the service

Answer: D

15. A developer is creating an XML schema using the `xsd:all` operator.

Given the code:

```
<types>
<schema targetNamespace="http://sun.cert/types"
xmlns:tns="http://sun.cert/types"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
<xsd:complexType name="Person">
<xsd:all>
<!-- insert code here -->
</xsd:all>
</xsd:complexType>
</schema>
</types>
```

Which two element definitions, when inserted into the given schema fragment, result in a correct schema type definition? (Choose two.)

- A. <xsd:element name="first" type="xsd:string"/>
- B. <xsd:element name="items" type="xsd:long" maxOccurs="5"/>
- C. <xsd:element name="last" type="xsd:string" minOccurs="1" maxOccurs="1"/>
- D. <xsd:element name="first" type="xsd:string" minOccurs="0" maxOccurs="5"/>

E. <xsd:element name="last" type="xsd:string" minOccurs="1" maxOccurs="5"/>

F. <xsd:element name="ssn" type="xsd:string" minOccurs="1" maxOccurs="unlimited"/>

Answer: AC

16. Which two statements are true about XML schemas that conform to WS-I Basic Profile 1.1? (Choose two.)

A. A description may use any construct from XML Schema.

B. A description may use any construct of XML Schema, except for arrays.

C. A description must use XML Schema recommendations as the basis of user-defined datatypes and structures.

D. A description may use any construct of XML Schema, except for defining user-defined datatypes and structures.

E. RESTful XML schemas may also draw from the XML-Rest Schema.

Answer: AC

17. What are two features of a WSDL 1.1 document? (Choose two.)

A. Service defines a collection of related endpoints.

B. Service describes the message's payload using XML.

C. Service assigns an Internet address to a specific binding.

D. Porttype declares complex data types and elements used elsewhere.

E. Porttype elements are used to group a set of abstract operations.

F. Porttype defines a concrete protocol and data format specification.

Answer: AE

18. A developer must create a new stock monitoring application using SOAP.

Given the code:

```
<s:Envelope xmlns:s="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:ns1="http://sun.cert/">
<s:Header>
<ns1:transaction>
<user>root</user>
<transid>9b3e64e326537b4e8c0ff19e953f9673</transid>
</ns1:transaction>
</s:Header>
<s:Body>
<m:StockQuote xmlns:m="http://sun.cert/bar/">
<Quote>
<ns1:symbol>SUNW</ns1:symbol>
<ns1:companyname name="Sun"/>
</Quote>
</s:Body>
</s:Envelope>
```

Which statement is true about this SOAP message?

A. It is NOT well-formed.

B. It contains a mandatory header block.

C. It is WS-I Basic Profile 1.1 compliant.

D. It does NOT contain the correct namespace declarations.

E. The transid should be blowfish encrypted.

F. http://sun.cert/bar/ is not a valid stock quote service.

Answer: A

19. Which three can an EJB-based endpoint use? (Choose three.)

A. HTTP sessions

B. Java EE 5 declarative security

- C. Java EE 5 programmatic security
- D. client-demarcated transactions
- E. container-managed transactions

Answer: BCE

20. What are two communication modes supported by JAX-WS? (Choose two.)

- A. Synchronous RPC
- B. Dynamic Service Binding
- C. Dynamic Proxy
- D. Endpoint Invocation
- E. Dispatch

Answer: CE

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