Oracle 1Z0-897 Exam Questions & Answers

Oracle 1Z0-897 Exam Questions & Answers

Exam Name: Java EE 6 Web Services Developer Certified Expert Exam

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Braindumps

QUESTION 1
An airline built and deployed a back-end application to manage reservations. To support interoperability with as large a base of standalone client applications as possible, the services provided by this back-end application are exposed as XML-based restful web services. Management just added a new requirement that AJAX-based web application clients be supported, too. One of the developers suggested that it is enough to extend the existing application to support both XML-based and JSON-based restful web services. Assuming the developer is correct, choose the sentence that best describes an attempt to introduce this ability as this developer suggests (Choose one):

A. The attempt will fail, because JAX-RS does not support both XML- and JSON- based restful services in parallel.
B. The attempt will be trivial to implement, since JAX-RS just needs for the application to specify that both XML- and JSON-based interaction will be supported.
C. The attempt can succeed, but it will require a significant amount of new code, since JAX-RS does support both XML- and JSON-based interaction - but not single resource can support both kinds of interaction simultaneously.
D. The attempt will fail, because there is more to the difference between XML-based and JSON- based interactions than just the data representation used.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 2
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 client-side technologies should they use? (Choose three.)

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

Correct Answer: BCE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

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QUESTION 3
In the code fragment below, the client will use os to upload data to the web service provider.

```
URL url = new URL(urlString);
HttpURLConnection connection =
    (HttpURLConnection) url.openConnection();
connection.setRequestMethod( "POST" );
// statement missing?
connection.setDoInput(true);
connection.connect();
OutputStream os = connection.getOutputStream();
```

Choose the statement that must be placed in line 5, to ensure this fragment works as intended.
(Choose one)

A. connection.setDoOutput(true);
B. connection.setAllowUserInteraction(true);
C. connection.setIfModifiedSince(new Date().getTime());
D. connection.setUseCaches(false);

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 4
Given the resource class fragment:

```
@Path("/resource")
class Resource {
   @Path("/id") @POST
   String update(...) { ... }
   @Path("/id") @GET
   String getId() { ... }
```

And given the web.xml fragment:

```
<servlet>
   <servlet-name>Jersey</servlet-name>
   <servlet-class>
      com.sun.jersey.spi.container.servlet.ServletContainer
   </servlet-class>
   ...
</servlet>
<servlet-mapping>
   <servlet-name>Jersey</servlet-name>
   <url-pattern>/rest</url-pattern>
</servlet-mapping>
```

Choose the code fragment below that would secure access only to the Resource update() method (Choose one):

A. <security-constraint>
   <web-resource-collection>
   <url-pattern>/rest</url-pattern>
   <http-method>GET</http-method>
   <http-method>POST</http-method>
   </web-resource-collection>

B. <security-constraint>
   <web-resource-collection>
   <url-pattern>/rest</url-pattern>
   <http-method>POST</http-method>
   </web-resource-collection>

C. <security-constraint>
   <web-resource-collection>
   <url-pattern>/rest/id</url-pattern>
   <http-method>POST</http-method>
   <http-method>GET</http-method>
   </web-resource-collection>

D. <security-constraint>D.<security-constraint>
   <web-resource-collection>
   <url-pattern>/id</url-pattern>
   <http-method>POST</http-method>
   </web-resource-collection>

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 5
An organization has business logic implemented in EJB components. Current clients use container-managed, role-based security to access the business logic using RMI. Management has determined that the business logic must be made available to non-RMI clients using a Web service. Which container-managed Web service security mechanism would the development team?use to allow Web service clients to use the current security model? (Choose one)

A. XKMS
B. XACML
C. XML Digital Signature
D. HTTP Basic Authentication
E. annotations mapped to the JAX-WS runtime

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 6
A developer creates a Web service for his company's inventory service. He uses servlet container to deploy the web service and wants to enable basic authentication for all web service invocations. Where does the developer configure security requirements for the above case?

A. sun-jaxws.xml
B. web.xml
C. webservices.xml
D. domain.xml

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 7
Choose the option that best describe the deployer's choices, when deploying an EJB that is also exposed as a RESTful web service using JAX-RS (Choose one):

A. The EJB can only be deployed to a web container, since RESTful access to the EJB requires a web container to support the HTTP interaction needed.
B. The EJB can be deployed to any EJB or web container that would support local references to the EJB from the JAX-RS runtime in the ejb container.
C. The EJB can be deployed to any EJB or web container that would support local references to the EJB from the JAX-RS runtime in the web container.
D. The EJB can be deployed to an EJB or web container that is visible to the JAX-RS runtime, even on an application server separate from the JAX-RS runtime, since EJBs support local or remote interactions via RMI.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 8
Given the JAX-RS root resource class fragment:

```
@Path("/res")
@Stateless
@RolesAllowed({"client","admin"})
class Resource {
```

Choose the statement that best describes the configuration that would be required to support the access control constraint shown:

A. No further configuration is required - the JavaEE runtime will pick up the security constraint and configure the web container to match.
B. The developer will have to configure the web container to require authenticated access to the URLs corresponding to this resource, so the proper information can be propagated to the EJB container.
C. The developer will have to turn on authentication in the web container configuration file, so that all incoming requests are authenticated in order to be processed.
D. The developer will have to configure the web container to require authenticated access to the URLs

corresponding to this resource, and then map web-tier roles to ejb-tier roles, since the JAX- RS and EJB runtimes cannot use the same set of roles.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 9
A developer needs to write a Web service that supports user sessions that timeout after 120 seconds. Which configuration file is correct for the developer use? (Choose one)

A. web.xml
B. server.xml
C. ejb-jar.xml
D. service-config.xml

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 10
A developer creates the following web service:

```
@WebService
public class Invoice {
}
```

Assuming that he packages the class in a war file without deployment descriptors, the web service is hosted by a EE container relative to module context at ? (Choose one)

A. "/Invoice"
B. "/InvoicePort"
C. "/InvoiceService"
D. "/InvoiceWebService"

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 11
A developer is creating a web service endpoint using a stateless session EJB for the business logic of an application. Choose two methods to select role based access control for the business logic ? (Choose two)

A. Using method-permission element in ejb-jar.xml

B. Using .htaccess file in the application's ear
C. Using <security-role> element in web.xml
D. By specifying security annotations like @RolesAllowed in the EJB class

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 12
Which of the following security technology is not covered in Metro project? (Choose one.)

A. WS-Trust
B. WS-SecurityPolicy
C. WS-SecureConversation
D. XACML

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

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QUESTION 13
A Web service needs to encrypt certain SOAP headers when responding. Which statement about this encryption is true?

A. The Web service runtime is the appropriate place for such encryption.
B. The Web service business logic is the appropriate place for such encryption.
C. Either the Web service business logic or runtime is appropriate for such encryption.
D. Neither the Web service business logic nor runtime is appropriate for such encryption.
E. Transport level security protocol like SSL should be used to meet the requirements without code changes.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 14
An automobile manufacturer publishes a Web service for use by their suppliers. The manufacturer has stringent security requirements that require suppliers to verify their identity. Data integrity and confidentiality must be maintained between the client and the server. Which two meet all of these requirements? (Choose two.)

A. X.509 and XKMS
B. XACML and XKMS
C. SSL and mutual authentication

D. XML Encryption and XML Digital Signature

E. Private network and XML Signature

Correct Answer: CD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 15
Which two statements are true about public key digital signatures applied to Web services? (Choose two)

A. The receiver verifies that the message matches the digital signature using its own private key.

B. The sender creates a digital signature using its own private key and sends that signature along with the original document.

C. The sender creates a digital signature using its own public key and sends that signature along with the original document.

D. The receiver verifies that the message matches the digital signature using the sender's public key.

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 16
Which of the following WS-Security token profiles is not supported in Metro?

A. X509 Token Profile

B. Kerberos Token Profile

C. SAML Token Profile

D. SOAP with Attachments (SWA) profile

E. Right Expression Language (REL) Token Profile

Correct Answer: E
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 17
Which security technologies are not included in WS-Security?

A. encryption

B. handshake for credential exchange and session establishment

C. security tokens

D. digital signatures

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 18
An automobile manufacturer publishes a Web service for use by their suppliers. The manufacturer has stringent security requirements that require suppliers to verify their identity. Data integrity and confidentiality must be maintained between the client and the server. Which two technologies can be used to meet the requirements? (Choose two)

A. XACML and XKMS
B. SSL with mutual authentication
C. Message level security with WS-Security
D. Private network and XML Signature

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 19
In designing the security for your enterprise application with multiple Web services, you don't want that each of the services handle user authentication by itself. Then which of the following you can use in your design?

A. enable secure conversation for each service
B. a centralized Policy Decision Point (PDP) via XACML
C. a Security Token Service (STS)
D. use transport level security with SSL

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 20
A developer wants to use WebServiceContext in the web service endpoint. Which of the following is the correct way to get WebServiceContext object ? (Choose one)

A. @WebService
   public class MyService {
   @WebServiceContext
   WebServiceContext ctxt;
   public String echo(String str) {
   ...
   }
B. @WebService
   public class MyService {
   WebServiceContext ctxt;
   public String echo(String str) {
   ctxt = jndi.lookup("java:com/env/WebServiceContext"); }
C. @WebService
   public class MyService {
   @Inject
   WebServiceContext ctxt;

```
public String echo(String str) {
...
}
```
D. @WebService
public class MyService {
@Resource
WebServiceContext ctxt;
public String echo(String str) {
...
}

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 21
In which order do LogicalHandlers and SOAPHandlers configured on a Web Service endpoint execute on an incoming message ? (Choose one)

A. SOAPHandlers in the order specified in configuration are executed first and later the LogicalHandlers specified in the order get executed
B. LogicalHandlers in the order specified in configuration are executed first and later the SOAPHandlers specified in the order get executed
C. All the handlers are executed in the order specified in the configuration
D. All the handlers are executed in the reverse order specified in the configuration.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 22

```
1.    @WebService(name="LogInventory")
2.    public class InventoryReader {
3.    @WebMethod(operationName="check")
4.    @OneWay
5.    public void checkProduct(String name) { ... }
6.
7.    @WebMethod
8.    public void addInventory(
9.    @WebParam(name="total") int quantity)
10.        throws InventoryException { ... }
11.    }
```

Assume the code is free of gross flaws and syntax errors. Which two statements are true? (Choose two.)

A. Line 8 specifies that addInventory accepts either a valid total or quantity.
B. Line 1 indicates the portType is LogInventory.
C. Line 3 shows the method is mapped to the WSDL operation called "checkProduct".
D. Line 4 means that a method is not expected to return a value unless requested.
E. Line 7 implies WSDL operation and method name are the same.

Correct Answer: BE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 23
A developer is asked to determine which Web services approach is correct for a new project. A SOAP-based Web service must be created and deployed in an environment where many customers will use it. These customers will be responsible for developing their own clients using different frameworks, based on the published WSDL. Which approach is correct to use first in this situation? (Choose one)

A. Java, because the WSDL generated later will be more accurate
B. WSDL, because the service and customers can benefit from the strongly typed schema
C. Java, because the service must be efficient to support many customers
D. WSDL, because tools allow existing classes to be easily mapped without modification

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 24
Which of the following two EJB types can be used as web service endpoints ? (Choose two.)

A. Stateful Session EJB
B. Message-Driven EJB
C. Stateless Session EJB
D. Singleton Session EJB

Correct Answer: CD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 25
Which of the following can an EJB-based web service endpoint may NOT be able to use ?

A. Servlet sessions
B. Java EE 6 declarative security
C. container-managed transactions
D. dependency injection

Correct Answer: A

Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 26
A developer is creating a web service endpoint using a stateless session EJB.

```
@Stateless(name="CounterEJB")
@WebService(name="Counter", serviceName="CounterService", portName="CounterPort")
public class Counter {
}
```

What must be the value for <ejb-link> for the above service in the webservices.xml ? (Choose one)

A. CounterEJB
B. Counter
C. CounterService
D. CounterPort

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 27
An engineer is creating a WSDL 1.1 document, and is having difficulty with the wsdl:messages section.

Which two statements are true about wsdl:messages in a WSDL 1.1 document? (Choose two.)

A. Both type and element attributes can be used on the same wsdl:part.
B. Both type and element attributes can be used on the same wsdl:binding.
C. The type and element attributes cannot be used on the same wsdl:part.
D. The type and element attributes cannot be used on the same wsdl:binding.
E. Document-style messaging allows the type attribute.
F. Document-style messaging allows the element attribute.

Correct Answer: CF
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 28
Given the class:

```
@Path("/resource")
class Resource {
    @GET @POST
    public String getName() {
        return "name";
    }
}
```

Choose the option that describes what would happen if this class were deployed (Choose one):

A. Any HTTP GET or POST request with the URL "/resource" would result in a call to getName().
B. Any HTTP GET or POST request with URLs that begin with "/resource" would result in a call to getName().
C. A runtime error would result, since a method cannot be responsible for both GET and POST requests.
D. A compile error would result, since a method cannot be responsible for both GET and POST requests.

Correct Answer: A
Section: (none)
Explanation

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Explanation:

QUESTION 29
Which of the following is NOT true about configuring handlers on a Web Service endpoint? (Choose one)

A. EE container automatically processes the handlers packaged in the application and configures it on the applicable endpoint
B. Handlers can be configured using @HandlerChain annotation on endpoints configured with @WebService
C. Handlers can be configured using @HandlerChain annotation on endpoints configured with @WebServiceProvider
D. Handlers can be configured for endpoints in the deployment descriptor (webservices.xml)

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 30
Choose the JAX-RS type that is used to produce URLs to resources, given the resource class, to incorporate into resource responses (Choose one):

A. UriBuilder
B. UriInfo
C. UriMapper
D. Producer

Correct Answer: A

QUESTION 31

Choose the code fragment that corresponds to a resource delegating processing of a request to a subresource correctly, when processing the URL "/parent/child" (Choose one):

A.
```
@Path("/parent")
class Parent {
@Path("/child")
Child getChild() { return new Child(); }
}
class Child {
@GET String getName() { return "name"; }
}
```

B.
```
@Path("/parent")
class Parent {
@GET @Path("/child")
Child getChild() { return new Child(); }
}
class Child {
@GET String getName() { return "name"; }
}
```

C.
```
@Path("/parent")
class Parent {
@Path("/child")
Child getChild() { return new Child(); }
}
@Path("/child")
class Child {
@GET String getName() { return "name"; }
}
```

D.
```
@Path("/parent")
class Parent {
@Path("/child")
Child getChild() { return new Child(); }
}
class Child {
String getName() { return "name"; }
}
```

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 32

Which two statements are true about creating a Web service with JAX-WS? (Choose two.)

A. Stateless Web services must be created with HTTP servlet endpoints.
B. Creating the portable artifacts by hand is slow, but makes a service easier to maintain.
C. All Java-based endpoints share a common packaging model.
D. EJBs can serve as endpoints if hosted in a container with runtime and service support.

E. JAX-WS supports creating services from source and compiled code without a WSDL.

Correct Answer: DE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 33
If you are developing a Web Service starting from WSDL 1.1, how would you declare in wsdl that the Web Service requires the use of Addressing in a standard and interoperable way.

A. Declare a policy as
<wsp:Policy>
<wsam:Addressing wsp:Optional="true">
<wsp:Policy/>
</wsam:Addressing>
</wsp:Policy>
and attach it the corresponding wsdl:portType so that it applies to all the wsdl:operations in its scope.
B. Declare a policy as
<wsp:Policy>
<wsam:Addressing wsp:Optional="true">
<wsp:Policy/>
</wsam:Addressing>
</wsp:Policy>
and attach it the corresponding wsdl:binding so that it applies to all the wsdl:operations in its scope.
C. Declare a policy as
<wsp:Policy>
<wsam:Addressing>
<wsp:Policy/>
</wsam:Addressing>
</wsp:Policy>
and attach it the corresponding wsdl:binding so that it applies to all the wsdl:operations in its scope.
D. Declare a policy as
<wsp:Policy>
<wsam:Addressing>
<wsp:Policy/>
</wsam:Addressing>
</wsp:Policy>
and attach it the corresponding wsdl:service so that it applies to all the wsdl:ports in the service scope.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 34
In the following situation, Client C sends a SOAP request to Service S and the response is to be processed by a third party response processor R. Which of the following SOAP headers in the request message convey the intention? Assume the endpoint reference of Service S is

```
<wsa:EndpointReference xmlns:wsa="http://www.w3.org/2005/08/addressing">
   <wsa:Address>http://example.com/service</wsa:Address>
<wsa:EndpointReference>
endpoint reference of the Response processor R is
<wsa:EndpointReference>
   <wsa:Address>http://example.com/responseprocessor</wsa:Address>
<wsa:EndpointReference>
```

A. <s11:Header>
   <wsa:Action>http://example.com/action/process</wsa:Action> <wsa:ReplyTo>
   <wsa:Address>http://www.w3.org/2005/08/addressing/none</wsa:Address> <wsa:ReplyTo>
   </s11:Header>

B. <s11:Header>
   <wsa:Action>http://example.com/action/process</wsa:Action> <wsa:ReplyTo>
   <wsa:Address>http://www.w3.org/2005/08/addressing/anonymous</wsa:Address> <wsa:ReplyTo>
   </s11:Header>

C. <s11:Header>
   <wsa:Action>http://example.com/action/process</wsa:Action> <wsa:ReplyTo>
   <wsa:Address>http://example.com/responseprocessor</wsa:Address> <wsa:ReplyTo>
   </s11:Header>

D. <s11:Header>
   <wsa:Action>http://example.com/action/process</wsa:Action> <wsa:ReplyTo>
   <wsa:Address>http://example.com/service</wsa:Address> <wsa:ReplyTo>
   </s11:Header>

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 35
Given stock quote web service endpoint:

```
@Addressing
@WebService
public class StockQuoteService{
      ...
}
```

and the corresponding client side artifacts for the above web service are :

StockQuoteService is the Service class and StockQuoteProvider is the corresponding SEI. Which of the following two options enable addressing feature for proxy for the StockQuoteProvider SEI ? (Choose two)

A. proxy = new StockQuoteService().getStockQuoteProvider()
B. proxy = new StockQuoteService().getStockQuoteProvider(new AddressingFeature())

C. proxy = new StockQuoteService().getStockQuoteProvider(new AddressingFeature(false))
D. proxy = new StockQuoteService().getStockQuoteProvider(new AddressingFeature(false, true))

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 36
What is an advantage of enabling Addressing feature on an endpoint?

A. Addressing ensures reliable transfer of messages between client address and the service address.
B. Addressing ensures the message exchanges between the client and service are properly secured.
C. Addressing enables the optimization of messages exchanged between the client and the service.
D. Addressing provides transport-neutral way to address the endpoints and messages.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 37
Which two statements are true about JAX-WS support for data bindings? (Choose two.)

A. Data binding is performed with only generated classes to reduce errors and hide complexity.
B. JAXB 2.0 is preferred.
C. Inline binding declarations with XML Schema are NOT supported for JAXB 2.0.
D. SAAJ 1.3 is supported for data binding with SOAP.
E. JAX-RPC data binding is recommended for cross-platform interoperability.

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 38
Which three statements are true about JAXP APIs? (Choose three.)

A. They are a part of Java SE 6.
B. They allow Java developers to access and process XML data without having to know XML or XML processing.
C. They do NOT support validation of XML documents against schemas.
D. It supports the Streaming API for XML.
E. It requires the Streaming API for XML.
F. They provide developers with a vendor and parser-implementation independent API to process XML.

Correct Answer: ADF
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 39
An engineer is studying the architecture of the JAXB implementation. What are three components in its design? (Choose three.)

A. Schema compiler.
B. Built-in SAX parser
C. Schema generator.
D. Built-in DOM parser.
E. Binding runtime framework.
F. Schema interpreter.

Correct Answer: ACE
Section: (none)
Explanation

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Explanation:

QUESTION 40
Which statement is true about StAX?

A. StAX provides client parsing control with memory usage similar to DOM.
B. StAX allows clients to start, pause and resume the parsing process.
C. StAX is the only XML parsing approach supported with JAX-WS.
D. StAX is a more efficient version of SAX, based on newer XML technology.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 41
What would be the HTTP content-type header when a message is optimized using MTOM ? (Choose one)

A. multipart/related
B. text/xml
C. application/soap+xml
D. application/xop+xml

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 42
When working directly with SOAP, which two statements are true about the encoding of compound values?
(Choose two.)

A. Compound values cannot be encoded.
B. A compound value may NOT contain other compound values.
C. Members of a compound value are encoded as accessor elements.
D. Accessors with names that are local to their containing types have unqualified names.

Correct Answer: CD
Section: (none)
Explanation

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Explanation:

QUESTION 43
Given that:

```
<complexType name="MyType">
   <sequence>
      ...
      <element name="doc" type="base64Binary" xmime:expectedContentTypes="image/jpeg"/>
   </sequence>
</complexType>

 // JAXB generated bean for the above type

public class MyType {
      ...

      public X getDoc() {
      }
}
```

What is X in the above code ? (Choose one)

A. byte[]
B. DataHandler
C. Image
D. Byte[]

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 44
Which of the following can be used on the SEI's method parameter so that the corresponding generated
schema type is wsiap:swaref ? (Choose one)

A. @XMLSchemaType

B. @SwaRef
C. @XmlMimeType
D. @XMLAttachmentRef

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 45
Given that StockQuoteService is a Service class and StockQuoteProvider is a corresponding SEI for a web
service. Which of the following options enable MTOM feature for proxy for the StockQuoteProvider SEI ?
(Choose one)

A. proxy = new StockQuoteService().getStockQuoteProvider()
B. proxy = new StockQuoteService().getStockQuoteProvider(new MTOMFeature())
C. proxy = new StockQuoteService(new MTOMFeature()).getStockQuoteProvider()
D. proxy = new StockQuoteService().getStockQuoteProvider(new RespectBindingFeature())

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 46
When a SOAP envelope is optimized on the wire, the following can be said about the optimized infoset :
(Choose one)

A. optimized infoset contains xop:Include elements with href attribute pointing to attachment data
B. optimized infoset contains mtom:Import with location attribute pointing to attachment data
C. optimized infoset doesn't have any specific elements for MIME attachment.
D. optimzed infoset's element contain cid:Content-ID as the text and Content-ID refers to the associated
    attachment

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 47
Choose three ways to enable MTOM on a web service endpoint deployed in an EE container ? (Choose three)

A. enabled by the container automatically
B. by specifying @MTOM annotation on the endpoint's class
C. by specifying <enable-mtom> in webservices.xml deployment descriptor
D. by specifying a wsoma:MTOM policy in WSDLE. by specifying <mtom> element in sun- jaxws.xml

Correct Answer: BCD
Section: (none)

Explanation

Explanation/Reference:
Explanation:

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QUESTION 48
Which two statements are true about elements in a WSDL document? (Choose two.)

A. Operation is an abstract set of port types supported by one or more endpoints.
B. Service is an abstract set of operations supported by one or more endpoints.
C. Message is an abstract description of an action supported by the service.
D. Operation is an abstract description of an action supported by the service.
E. Binding is a single endpoint defined as a combination of an operation and a network address.
F. Message is an abstract, typed definition of the data being communicated.

Correct Answer: DF
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 49
A developer is asked to consult on a Web services project and assist the team with a good design approach on a new project. The team members disagree on whether to use WSDL or Java first. Several members are skilled with XML and see a schema and WSDL as the correct place to start. The team has also learned the deadline for this project has been moved up and another team plans to reuse their code. Which statement is true about the proper course of action to take in this situation?

A. Java should be used first because it is a strongly typed language and will result in a robust WSDL.
B. WSDL should be used first because it will make the code easier to reuse for the other team.
C. Java should be used first because it is often the fastest and easiest approach.
D. WSDL should be used first because the team knows XML Schema.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 50
Which two statements are true about the interoperability of Web services developed using the Java EE 6 platform? (Choose two.)

A. Interoperability is improved by restricting access only to Java clients.
B. EJB-based endpoints are more difficult for .NET clients to access.
C. Only servlet-based endpoints are used when exposing services to non-Java clients.
D. The signature of Web service methods is limited to parameters and return types that are concrete types and simple arrays of concrete types.
E. The service must be published in both the .NET and Java UDDIs.
F. Testing for WS-I Profile conformance improves interoperability.

Correct Answer: DF
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 51
A purchase order Web service is designed to be synchronous, request-response, and HTTP- based. The existing service processes the request immediately. Because of new business requirements, the service can take up to ten days to perform a credit check before processing the order. Which two design changes should be made? (Choose two.)

A. The client needs to use dynamic proxies instead of stubs.
B. The client needs to develop and deploy a Web service to accept callbacks.
C. The service only needs to change the WSDL from rpc-literal to document-literal.
D. The client and the service need to establish a mechanism to correlate the messages.
E. Given delays of up to ten days, a polling strategy is more efficient than callback.

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 52
An enterprise has a requirement to create a Web service to accept purchase orders. The order data contains some authorization information that is specific to each order (such as, who can access which parts of the order). Keeping in mind future enhancements in types of orders that the enterprise needs to accept, which two design solutions provide the most flexibility? (Choose two.)

A. a Web service interface with one method per accepted XML document type for a purchase order
B. a procedure-style Web service method that lists all data elements and all possible access control options
C. a document-style Web service method that accepts all types of XML documents representing purchase orders.
D. a Web service interface with one method for each combination of data elements and the access control options

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 53
A company has contracted a developer to create their new accounting system. The system the developer will replace runs a monolithic web application using one web server and one database server. Technical requirements state the developer must write the business logic in Java, deploy to the application server and push the presentation logic onto the web servers. What are three characteristics of services in the proposed Service Oriented Architecture? (Choose three.)

A. Services are coarse grained.
B. Services are finely grained.

C. Services are loosely coupled.
D. Services are tightly coupled.
E. Clients must be implemented in the Java technology.
F. Services are platform agnostic, network-addressable web APIs.

Correct Answer: ACF
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 54
Which two statements are true about WSIT client development and using the WSIT configuration file? (Choose two.)

A. Client configuration files do NOT contain information security features, such as authentication.
B. The file contains the URL for the WSDL.
C. To maintain interoperability, the configuration file must not name packages.
D. A WSIT client uses the file as a WSDL proxy is available from any WSIT compliant service.
E. The wsimport tool uses the file to access the WSDL and build stubs to access a service.

Correct Answer: BE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 55
What are two valid facts about WS-I? (Choose two.)

A. The I-Stack is a great development tool.
B. The WS-I promotes and supports generic protocols for the interoperable exchange of messages.
C. The WS-I governs languages and protocols such as SOAP, WSDL, and UDDI.
D. The WS-I specifies specific rules that address either weaknesses in component specifications or issues of how to combine the collected
   technology.
E. The WS-I has been a guiding force in creating StAX.

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 56
According to the WS-I Basic Profile 1.0a, what is true about the SOAP 1.1 encodingStyle attribute?

A. It can occur anywhere in a message.
B. It can only be declared on children Header elements.
C. It can be declared on any children of the Body elements of rpc-literal messages.
D. It cannot be used with elements qualified by the http://schemas.xmlsoap.org/soap/envelope namespace.

E. WS-I Basic Profile 1.1 does NOT give any guidance because encodingStyle is a SOAP 1.1 attribute.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 57
Choose the types of Enterprise Beans that can be made into JAX-RS root resources (Choose two):

A. Stateful Session Beans
B. Stateless Session Beans
C. Message-Driven Beans
D. Singleton Beans

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 58
Choose the statement that best describes the use of Enterprise Beans as JAX-RS root resources:

A. An Enterprise Bean can be made a JAX-RS root resource only if EJB-specific features such as transaction management or security validation
    are not used.
B. JAX-RS imposes no limitations on the characteristics ofthose Enterprise Beans that can be exposed as JAX-RSresource classes.
C. An Enterprise Bean that is exposed as a JAX-RS root resourcecan no longer be used directly as a remote bean itself - thebean
    implementation class can be accessed via the remote EJBdistributed framework (RMI), or a JAX- RS root resource, but not both concurrently
    within the same application.
D. An Enterprise Bean that is exposed as a JAX-RS root resource supports all the same features as a JAX-RS resource that it supports as an
    EJB.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 59
Where can a developer specify confidentiality or integrity constraints on communications with a Enterprise Bean exposed as a JAX-RS root resource?(Choose one)

A. As annotations on the EJB exposed as a root resource.

B. In the deployment descriptor for the EJB exposed as a root resource.
C. In the deployment descriptor for the web application that is hosting the JAX-RS resource.
D. In the vendor-specific configuration file for the container that is hosting the JAX-RS resource.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 60
Given this class:

```
@Path("/res")
class Resource {
    @POST void doPost() { ... }
    @GET void doGet() { ... }
}
```

Choose the statement that best describes the potential to write a client implemented using JAX- WS to interact with the JAX-RS (restful) web service defined by this class (Choose one):

A. It is impossible, since JAX-WS requires that the underlying interaction be SOAP-based, and JAX-RS does not support SOAP.
B. It is impossible, since JAX-RS does not support the same extension mechanism via JAX-WS Handlers that JAX-WS supports.
C. It is possible, since the JAX-WS API can be used to create a client that uses a simple raw XML protocol to interact with a service at a given URL.
D. It is possible, since a JAX-WS proxy Port type can be generated to use a simple raw XML protocol to interact with a service at a specific fixed URL.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 61
Given that a web service endpoint is based on the stateless session EJB:

```
10.    @WebService
11.    @Stateless(name="MrBean")
12.    public class SecureBean {
```

The following deployment descriptor entries represent the only security-related metadata :

```
19.  <security-role>
20.    <role-name>A</role-name>
21.  </security-role>
22.  <method-permission>
23.    <role-name>A</role-name>
24.    <method>
25.      <ejb-name>MrBean</ejb-name>
26.      <method-name>*</method-name>
27.    </method>
28.  </method-permission>
```

Which is true about the security roles of clients of MrBean? (Choose one)

A. Only EJB clients must be in role A.
B. Only Web Service clients must be in role A.
C. Both EJB and web service clients must be in role A.
D. Both EJB and web service clients must NOT be in role A.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

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QUESTION 62
Choose the option that best describe the deployer's choices, when deploying an EJB that is also exposed as a RESTful web service using JAX-RS (Choose one):

A. The EJB can only be deployed to a web container, since RESTful access to the EJB requires a web container to support the HTTP interaction needed.
B. The EJB can be deployed to any EJB or web container that would support local references to the EJB from the JAX-RS runtime in the ejb container.
C. The EJB can be deployed to any EJB or web container that would support local references to the EJB from the JAX-RS runtime in the web container.
D. The EJB can be deployed to an EJB or web container that is visible to the JAX-RS runtime, even on an application server separate from the JAX-RS runtime, since EJBs support local or remote interactions via RMI.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 63
A developer needs to write a Web service that supports user sessions that timeout after 120 seconds. Which configuration file is correct for the developer use? (Choose one)

A. web.xml
B. server.xml
C. ejb-jar.xml
D. service-config.xml

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 64
A developer is creating a web service endpoint using a stateless session EJB for the business logic of an application. Choose two methods to select role based access control for the business logic ? (Choose two)

A. Using method-permission element in ejb-jar.xml
B. Using .htaccess file in the application's ear
C. Using <security-role> element in web.xml
D. By specifying security annotations like @RolesAllowed in the EJB class

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 65
A developer creates the following web service:

```
@WebService
public class Invoice {
}
```

Assuming that he packages the class in a war file without deployment descriptors, the web service is hosted by a EE container relative to module context at ? (Choose one)

A. "/Invoice"
B. "/InvoicePort"
C. "/InvoiceService"
D. "/InvoiceWebService"

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 66
Given the resource class fragment:

```
@Path("/resource")
class Resource {
    @Path("/id") @POST
    String update(...) { ... }
    @Path("/id") @GET
    String getId() { ... }
```

And given the web.xml fragment:

```
<servlet>
    <servlet-name>Jersey</servlet-name>
    <servlet-class>
        com.sun.jersey.spi.container.servlet.ServletContainer
    </servlet-class>
    ...
</servlet>
<servlet-mapping>
    <servlet-name>Jersey</servlet-name>
    <url-pattern>/rest</url-pattern>
</servlet-mapping>
```

Choose the code fragment below that would secure access only to the Resource update() method (Choose one):

A. <security-constraint>
   <web-resource-collection>
   <url-pattern>/rest</url-pattern>
   <http-method>GET</http-method>
   <http-method>POST</http-method>
   </web-resource-collection>

B. <security-constraint>
   <web-resource-collection>
   <url-pattern>/rest</url-pattern>
   <http-method>POST</http-method>
   </web-resource-collection>

C. <security-constraint>
   <web-resource-collection>
   <url-pattern>/rest/id</url-pattern>
   <http-method>POST</http-method>
   <http-method>GET</http-method>
   </web-resource-collection>

D. <security-constraint>D.<security-constraint>
   <web-resource-collection>
   <url-pattern>/id</url-pattern>
   <http-method>POST</http-method>
   </web-resource-collection>

Correct Answer: B

QUESTION 67
Given the JAX-RS root resource class fragment:

```
@Path("/res")
@Stateless
@RolesAllowed({"client","admin"})
class Resource {
```

Choose the statement that best describes the configuration that would be required to support the access control constraint shown:

A. No further configuration is required - the JavaEE runtime will pick up the security constraint and configure the web container to match.
B. The developer will have to configure the web container to require authenticated access to the URLs corresponding to this resource, so the proper information can be propagated to the EJB container.
C. The developer will have to turn on authentication in the web container configuration file, so that all incoming requests are authenticated in order to be processed.
D. The developer will have to configure the web container to require authenticated access to the URLs corresponding to this resource, and then map web-tier roles to ejb-tier roles, since the JAX- RS and EJB runtimes cannot use the same set of roles.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 68
In which order do LogicalHandlers and SOAPHandlers configured on a Web Service endpoint execute on an incoming message ? (Choose one)

A. SOAPHandlers in the order specified in configuration are executed first and later the LogicalHandlers specified in the order get executed
B. LogicalHandlers in the order specified in configuration are executed first and later the SOAPHandlers specified in the order get executed
C. All the handlers are executed in the order specified in the configuration
D. All the handlers are executed in the reverse order specified in the configuration.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 69
Choose two options from the following that can be achieved by setting the standard BindingProvider properties on a SEI proxy: (Choose two)

A. Configuring HTTP Basic Authentication credentials to access a service
B. Validating against schema for outgoing client messages
C. Adding additional SOAP headers for outgoing messages
D. Specifying web service endpoint address for service invocations

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 70
Given the following web service:

```
@WebService
public class ArithmeticBase {
    @WebMethod
    public int exp(int a, int b) { ... }

    public int log(int a, int b) { ... }
}

@WebService
public class Arithmetic extends ArithmeticBase {
    @WebMethod(operationName="plus")
    public int add(int a, int b) { ... }

    public int subtract(int a, int b) { ... }

    private int divide(int a, int b) { ... }
}
```

How many web methods are there in the above web service ? (Choose one)

A. 1
B. 2
C. 3
D. 4
E. 5

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 71
What does the <service-name-pattern> element in the following set of XML statements do:

```
<handler-chains xmlns="http //java sun con/xml/ns/javaee">
   <handler-chain>
      <service-name-pattern  xmlns:ns1="http://example.com/handlers'>ns1 Hello*</service-name-pattern>
      <handler/>
      <handler/>
   </handler-chain>
</handler-chains>
```

A. Applies the handlers specified in the <handler-chain> element to all the services with targetNamespace http://example.com/handlers.
B. Applies the handlers specified in the <handler-chain> element to all services whose name is Hello*.
C. Applies the handlers specified in the <handler-chain> element to all services whose names begin with Hello.
D. Applies the handlers in the specified in the <handler-chain> element to the service whose name begins with Hello and targetNamespace is http://example.com/handlers.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 72
Given that:

```
<complexType name="MyType">
   <sequence>
      ...
      <element name="doc" type="base64Binary" xmine:expectedContentTypes="image/jpeg"/>
   </sequence>
</complexType>

 // JAXB generated bean for the above type

public class MyType {
      ...

      public X getDoc() {
      }
}
```

What is X in the above code ? (Choose one)

A. byte[]
B. DataHandler
C. Image

D. Byte[]

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 73
What would be the HTTP content-type header when a message is optimized using MTOM ? (Choose one)

A. multipart/related
B. text/xml
C. application/soap+xml
D. application/xop+xml

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 74
Which of the following can be used on the SEI's method parameter so that the corresponding generated schema type is wsiap:swaref ? (Choose one)

A. @XMLSchemaType
B. @SwaRef
C. @XmlMimeType
D. @XMLAttachmentRef

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 75
When a SOAP envelope is optimized on the wire, the following can be said about the optimized infoset : (Choose one)

A. optimized infoset contains xop:Include elements with href attribute pointing to attachment data
B. optimized infoset contains mtom:Import with location attribute pointing to attachment data
C. optimized infoset doesn't have any specific elements for MIME attachment.
D. optimzed infoset's element contain cid:Content-ID as the text and Content-ID refers to the associated attachment

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 76
Given that StockQuoteService is a Service class and StockQuoteProvider is a corresponding SEI for a web service. Which of the following options enable MTOM feature for proxy for the StockQuoteProvider SEI ? (Choose one)

A. proxy = new StockQuoteService().getStockQuoteProvider()
B. proxy = new StockQuoteService().getStockQuoteProvider(new MTOMFeature())
C. proxy = new StockQuoteService(new MTOMFeature()).getStockQuoteProvider()
D. proxy = new StockQuoteService().getStockQuoteProvider(new RespectBindingFeature())

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 77
An MTOM optimized infoset+attachment on the wire for a large binary data saves around X% in size when compared to original infoset, where X is: (Choose one)

A. 10%
B. 20%
C. 30%
D. 60%

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 78
Choose three ways to enable MTOM on a web service endpoint deployed in an EE container ? (Choose three)

A. enabled by the container automatically
B. by specifying @MTOM annotation on the endpoint's class
C. by specifying <enable-mtom> in webservices.xml deployment descriptor
D. by specifying a wsoma:MTOM policy in WSDLE. by specifying <mtom> element in sun- jaxws.xml

Correct Answer: BCD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 79
Where can a developer specify confidentiality or integrity constraints on communications with a Enterprise Bean exposed as a JAX-RS root resource?(Choose one)

A. As annotations on the EJB exposed as a root resource.
B. In the deployment descriptor for the EJB exposed as a root resource.

C. In the deployment descriptor for the web application that is hosting the JAX-RS resource.
D. In the vendor-specific configuration file for the container that is hosting the JAX-RS resource.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 80
A Java EE application contains business logic composed of EJB beans. All current clients are Java applications accessing the business logic using RMI. Some clients are remote (running in different JVMs) and some are local (running in the same JVM). Which of the following two occur if EJB components are exposed as Web services? (Choose two.)

A. New client applications can be built using the published WSDL to access existing business logic
B. Current remote clients must switch from RMI to web service access.
C. New remote clients can access business logic using RMI or web service access
D. New local clients must access business logic using only RMI
E. New clients must only be written in java to access business logic

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 81
Given the two classes:

```
@Path("/res") @Singleton
class Resource {
    @Path("/value")
    Value getValue() { ... }
}
@Stateless class Value {
    @GET @Path("/name")
    String getName() { ... }
}
```

Choose the option that best evaluates the example:

A. This is a valid example of two EJBs used as JAX-RS resources, one a root resource and the other a subresource.
B. This is an invalid example, because EJBs that are to be used as JAX-RS subresources have to match the type of EJB of their "parent" resource.
C. This is an invalid example, because singleton EJBs used as JAX-RS resources must explicitly state what

locking strategy they will require.

D. This is an invalid example, because the JAX-specification only allows root resource types to also be EJBs.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 82
What is an accurate description of the handling of application exceptions thrown by a JAX-WS service endpoint?

A. Application exceptions can be mapped to faults in WSDL.
B. Application exceptions are NOT handled by JAX-WS SEI clients.
C. Application exceptions are always propagated to JAX-WS clients as RemoteExceptions.
D. Application exceptions are always propagated to JAX-WS SEI clients as WebServiceExceptions.
E. Application exceptions are always propagated to JAX-WS SEI clients as SOAPFaultExceptions.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 83
Given the resource class:

```
@Path("/res")
class Resource {
    @Path("/value") @GET
    @Produces({"application/xml","application/json"})
    Value getValue() { .... }
```

Choose the fragment that a client could use to request "/res/value" using its JSON representation (Choose one):

A. WebResource resource = client.resource("/res/value"); Value val =
   resource.accept("application/json").get(Value.class);
B. WebResource resource = client.resource("/res/value"); Value val =
   resource.type("application/json").get(Value.class);
C. WebResource resource = client.resource("/res");
   Value val =
   resource.accept("value").type("application/json").get(Value.class);
D. WebResource resource = client.resource("/res/value"); Value val = resource.get(Value.class);

Correct Answer: A
Section: (none)

Explanation

Explanation/Reference:
Explanation:

QUESTION 84
Which of the following is NOT a correct way of configuring handlers on a Web Service client ? (Choose one)

A. Specify the handlers in jaxws-catalog.xml and make it available in the classpath of the client
B. Create a handlerchain as list of handlers and call setHandlerChain() with that list on the Binding object.
C. Programmatically configure the handlers by setting a custom HandlerResolver on the service instance and create proxies from that service.
D. Specify handlers in handler chain configuration XML file and add @HandlerChain referencing handler configuration file to the Web Service references for clients running in JavaEE Container.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 85
A client sends a required SOAP header in a SOAP message. The server-side process determines that information in the header is invalid and generates a SOAP fault. What is the appropriate fault code for this type of SOAP fault? (Choose one)

A. Client
B. Server
C. MustUnderstand
D. VersionMismatch
E. HeaderError
F. InvalidHeader

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 86
A Web service needs to encrypt certain SOAP headers when responding. Which statement about this encryption is true?

A. The Web service runtime is the appropriate place for such encryption.
B. The Web service business logic is the appropriate place for such encryption.
C. Either the Web service business logic or runtime is appropriate for such encryption.
D. Neither the Web service business logic nor runtime is appropriate for such encryption.
E. Transport level security protocol like SSL should be used to meet the requirements without code changes.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 87
Which two statements are true about public key digital signatures applied to Web services? (Choose two)

A. The receiver verifies that the message matches the digital signature using its own private key.
B. The sender creates a digital signature using its own private key and sends that signature along with the original document.
C. The sender creates a digital signature using its own public key and sends that signature along with the original document.
D. The receiver verifies that the message matches the digital signature using the sender's public key.

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 88
Which security technologies are not included in WS-Security?

A. encryption
B. handshake for credential exchange and session establishment
C. security tokens
D. digital signatures

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 89
XML Signature and XML Encryption provide the foundation for message level security in Web services. Which statement about XML signature is NOT true?

A. use detached signatures, where the digital signature covers sibling elements or external data
B. use enveloping signatures, where the digital signature element encloses the data to be signed
C. use enveloping signatures, where the digital signature is a child element of the data to be signed
D. use enveloped signatures, where the digital signature is a child element of the data to be signed

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 90
Which of the following security technology is not covered in Metro project? (Choose one.)

A. WS-Trust
B. WS-SecurityPolicy
C. WS-SecureConversation
D. XACML

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 91
An automobile manufacturer publishes a Web service for use by their suppliers. The manufacturer has stringent security requirements that require suppliers to verify their identity. Data integrity and confidentiality must be maintained between the client and the server. Which two technologies can be used to meet the requirements? (Choose two)

A. XACML and XKMS
B. SSL with mutual authentication
C. Message level security with WS-Security
D. Private network and XML Signature

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 92
An automobile manufacturer publishes a Web service for use by their suppliers. The manufacturer has stringent security requirements that require suppliers to verify their identity. Data integrity and confidentiality must be maintained between the client and the server. Which two meet all of these requirements? (Choose two.)

A. X.509 and XKMS
B. XACML and XKMS
C. SSL and mutual authentication
D. XML Encryption and XML Digital Signature
E. Private network and XML Signature

Correct Answer: CD
Section: (none)
Explanation

Explanation/Reference:
"Pass Any Exam. Any Time." - 100% Pass Guarantee 43
Oracle 1z0-897: Practice Exam

Explanation:

QUESTION 93
In designing the security for your enterprise application with multiple Web services, you don't want that each of the services handle user authentication by itself. Then which of the following you can use in your design?

A. enable secure conversation for each service
B. a centralized Policy Decision Point (PDP) via XACML
C. a Security Token Service (STS)
D. use transport level security with SSL

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 94
Which of the following option represents the behavior of the endpoint, when the addressing feature is enabled on the service with the use of @Addressing() annotation.

A. The endpoint accepts only messages containing Addressing headers and rejects any messages not containing Addressing headers.
B. The endpoint accepts any messages with or without any Addressing headers and does not validate addressing headers because "required"
   annotation element is not true.
C. The endpoint accepts messages only if the messages contain wsa:Action header but does not require presence of any other addressing
   headers.
D. The endpoints accepts messages with or without addressing headers. If the message contains wsa:Action header, it validates all other
   addressing headers in the message.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 95
What is an advantage of enabling Addressing feature on an endpoint?

A. Addressing ensures reliable transfer of messages between client address and the service address.
B. Addressing ensures the message exchanges between the client and service are properly secured.
C. Addressing enables the optimization of messages exchanged between the client and the service.
D. Addressing provides transport-neutral way to address the endpoints and messages.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 96
Given stock quote web service endpoint:

```
@Addressing
@WebService
public class StockQuoteService{
    ...
}
```

and the corresponding client side artifacts for the above web service are :

StockQuoteService is the Service class and StockQuoteProvider is the corresponding SEI.

Which of the following two options enable addressing feature for proxy for the StockQuoteProvider SEI ?
(Choose two)

A. proxy = new StockQuoteService().getStockQuoteProvider()
B. proxy = new StockQuoteService().getStockQuoteProvider(new AddressingFeature())
C. proxy = new StockQuoteService().getStockQuoteProvider(new AddressingFeature(false))
D. proxy = new StockQuoteService().getStockQuoteProvider(new AddressingFeature(false, true))

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 97
In the following situation, Client C sends a SOAP request to Service S and the response is to be processed by
a third party response processor R. Which of the following SOAP headers in the request message convey the
intention? Assume the endpoint reference of Service S is

```
<wsa:EndpointReference xmlns:wsa="http://www.w3.org/2005/08/addressing">
   <wsa:Address>http://example.com/service</wsa:Address>
<wsa:EndpointReference>
endpoint reference of the Response processor R is
<wsa:EndpointReference>
   <wsa:Address>http://example.com/responseprocessor</wsa:Address>
<wsa:EndpointReference>
```

A. <s11:Header>
   <wsa:Action>http://example.com/action/process</wsa:Action> <wsa:ReplyTo>
   <wsa:Address>http://www.w3.org/2005/08/addressing/none</wsa:Address> <wsa:ReplyTo>
   </s11:Header>
B. <s11:Header>
   <wsa:Action>http://example.com/action/process</wsa:Action> <wsa:ReplyTo>
   <wsa:Address>http://www.w3.org/2005/08/addressing/anonymous</wsa:Address> <wsa:ReplyTo>
   </s11:Header>
C. <s11:Header>
   <wsa:Action>http://example.com/action/process</wsa:Action> <wsa:ReplyTo>
   <wsa:Address>http://example.com/responseprocessor</wsa:Address> <wsa:ReplyTo>
   </s11:Header>
D. <s11:Header>
   <wsa:Action>http://example.com/action/process</wsa:Action> <wsa:ReplyTo>
   <wsa:Address>http://example.com/service</wsa:Address> <wsa:ReplyTo>

</s11:Header>

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 98
HTTP clients can provide authentication information to the server via the "Authorization" header in the HTTP request. Choose the alternative, if any, that would serve as the definition for a resource method that would allow a JAX-RS resource to obtain this authentication data (Choose one):

A. It is impossible for a JAX-RS resource to obtain this information, since low-level HTTP data is not presented to the JAX-RS application layer.
B. @GET @Path("/authInfo")
   public String getAuthInfo(String authenticate) {
   return authenticate;
   }
C. @GET @Path("/authInfo/{AUTHENTICATE}")
   public String getAuthInfo(
   @PathParam("Authorization") String auth) {
   return authenticate;
   }
D. @GET @Path("/authInfo")
   public String getAuthInfo(
   @HeaderParam("Authorization") String auth) {
   return authenticate;
   }

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 99
Given the class:

```
@Path("/resource")
class Resource {
    @Path("/id") @GET
    public String getToken() {
        return "someId";
    }
}
```

Choose the URL path that would result in a call to getToken()? (Choose one)

A. /id
B. /resource/id

C. /resource/id/token

D. /resource/token

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 100
Given the class:

```
@Path("/resource")
class Resource {
   @Path("/id") @GET
   public String getToken() {
      return "someId";
   }
}
```

Choose the URL path that would result in a call to getToken()? (Choose one)

A. /id/value

B. /resource/id

C. /resource/id/name

D. /resource/id/value/token

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 101
A team of developers is designing RESTful Web services for a new application. What are three properties of the services? (Choose three.)

A. They can be stateful.

B. They can be stateless.

C. Components communicate by exchanging representations of the resource.

D. Components communicate by directly performing operations on the resource.

E. They require WSDL service API definitions.

F. Responses can be labeled as cacheable or non-cacheable.

Correct Answer: BCF
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 102
Given the class:

```
@Path("/resource")
public class Resource {
    @GET
    // Annotation here?
    public Value getValue() {
        return Value.getSingleton();
    }
}
```

Choose the annotation to add on line 4 to enable the client to receive a JSON representation of the instance of Value that is returned (Choose one):

A. @Produces("application/json");
B. @Consumes("application/json");
C. No annotation is needed, since JAX-RS supports marshalling and unmarshalling of JSON records.
D. No annotation is possible, since JAX-RS does not support marshalling and unmarshalling of JSON records.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 103
A developer is writing a Web service method that needs to accept multiple types of requests. Based on the request's content, the service performs time-consuming steps, such as verifying the user's account, checking credit ratings, and building a list of offers. Which two approaches are appropriate to use in this situation? (Choose two.)

A. A synchronous, document-style approach.
B. A synchronous, procedure-style approach.
C. An asynchronous, document-style approach.
D. An asynchronous, procedure-style approach.
E. HTTP and HTTPS.
F. SMTP or other asynchronous protocol.

Correct Answer: CF
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 104

A developer is tasked with analyzing a new Web services project and must decide to use either SOAP or REST. Based on requirements, the developer determines the service must be stateful and have a documented interface and data types that clients can discover dynamically. Which two statements are true? (Choose two.)

A. The SOAP approach consists of resources identified by unique URIs.
B. SOAP services are self-documenting via the WSDL.
C. Either SOAP or REST are suitable for the Web service.
D. REST fully documents data types via the functional interface GET and POST.
E. RESTful services are stateless by definition.

Correct Answer: BE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 105
Which two statements are true about WSDL 1.1 and the Basic Profile? (Choose two.)

A. WSDL does NOT recommend a specific system for user-defined datatypes.
B. WSDL recommends the use of XML Schema for user-defined datatypes.
C. WSDL mandates the use of XML Schema for user-defined datatypes.
D. Basic Profile recommends the use of XML Schema for user-defined datatypes.
E. Basic Profile mandates the use of XML Schema for user-defined datatypes.
F. Basic Profile recommends the use of either XML Schema or DTD for user-defined datatypes.

Correct Answer: BE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 106
A company is implementing an accounting system, where every transaction is monitored and audited. They must implement message-oriented Web services in their accounting package to integrate various modules. All errors in computation or transmission must be logged. Which technology will they use?

A. SOAP
B. REST
C. JSON
D. JSP

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 107
A company has contracted a developer to create their new accounting system. The system the developer will replace runs a monolithic web application using one web server and one database server. Technical requirements state the developer must write the business logic in Java, deploy to the application server and

push the presentation logic onto the web servers. What are three characteristics that services in the proposed Service Oriented Architecture should honor? (Choose three.)

A. Services are coarse grained.
B. Services are finely grained.
C. Services are loosely coupled.
D. Services are tightly coupled.
E. Clients must be implemented in the Java technology.
F. Services are platform agnostic, network-addressable web APIs.

Correct Answer: ACF
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 108
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.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 109
What are three best practices that can be implemented when generating WS-I Basic Profile compliant Web services? (Choose three.)

A. Send arrays of nulls to ensure .NET and Java clients receive the same data.
B. Define data types early in the integration cycle.
C. Use complex data types to reduce the number of items exchanged.
D. Test interoperability at every stage of development.
E. Insert conformance headers in all SOAP messages.

F. Keep data types simple for speed and stability.

Correct Answer: BDF
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 110
A company is building a customer relationship management system that is to be deployed on a customer's network, and they want software functions to be reused and combined in different modules in the system. The Director of Technology has determined that the new system should utilize both Web services and a Service Oriented Architecture (SOA). Which two statements about Web services in an SOA are correct? (Choose two.)

A. A Web service must be discovered from a UDDI registry in an SOA.
B. SOA and Web services both use the HTTP protocol at the transport layer.
C. A Web service must publish itself to a UDDI registry to become part of an SOA.
D. SOA is a way to design a system and Web services are a possible implementation.
E. SOA is used for stateless invocations, and Web services for stateful invocations.
F. SOA emphasizes the concept of service encapsulation and Web services fulfill a service contract.

Correct Answer: DF
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 111
Enterprise A invokes a Web service provided by enterprise B with some parameters, and receives a response. A developer is making this interaction asynchronous so that A does not have to wait for B to finish processing. Which two actions would be appropriate to fulfill this requirement? (Choose two.)

A. Establish a Web service endpoint for enterprise A to receive the response.
B. Partition the endpoint implementation in to interaction and processing layers so responses can be received independently.
C. Convert all Web service methods to use XML documents as parameters and return values.
D. Embed a correlation identifier in the request so that enterprise B can associate the response with it.
E. Read messages from a queue populated by enterprise B at peak hours when response times are too slow

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 112
Which two statements are true about the I-Stack and annotations technologies? (Choose two.)

A. With 64-bit Java, JAXB compatible parameters are preferred for performance.
B. @WebMethod is required for private methods, but public methods are exposed in any service automatically.

C. Declaring business methods final is a good way to protect the integrity of the implementation class.
D. Method parameters and return types must be compatible with the JAXB 2.0.
E. JAX-WS uses annotations to invoke Web service requests at runtime.

Correct Answer: DE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 113
Which three statements about parsers are true? (Choose three.)

A. SAX and StAX are bi-directional.
B. DOM and StAX are bi-directional.
C. StAX is a push API, whereas SAX is pull.
D. SAX is a push API, whereas StAX is pull.
E. SAX and StAX are read-only.
F. SAX and DOM can write XML documents.
G. StAX and DOM can write XML documents.

Correct Answer: BDG
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 114
Which two code fragments are valid for adding an attachment in SAAJ? (Choose two.)

A. AttachmentPart attachment =
   request.createAttachementPart();
   String stringContent = Update total;
   attachment.setContent(stringContent,text/plain);
   attachment.setContentID(update_total);
   request.addAttachmentPart(attachment);
B. Attachment attachment =
   request.createAttachement();
   String stringContent = Update total;
   attachment.setContent(stringContent,text/plain);
   attachment.setContentID(update_total);
   request.addAttachment(attachment);
C. URL url = new URL(http://eshop.com/products/tb.jpg); DataHandler datahandler = new DataHandler(url);
   AttachmentPart attachment =
   request.createAttachmentPart(dataHandler);
   attachment.setContentID (attached_image);
   request.addAttachmentPart(attachment);
D. URL url = new URL(http://eshop.com/products/tb.jpg); DataHandler datahandler = new DataHandler(url);
   Attachment attachment =
   request.createAttachment(dataHandler);
   attachment.setContentID (attached_image);
   request.addAttachment(attachment);
E. Attachment attachment =
   request.newAttachement();

```
String stringContent = Update total;
attachment.setContent(stringContent,text/plain);
attachment.setContentID(update_total);
request.setAttachment(attachment);
```

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:

Explanation:

QUESTION 115
A developer must create a program to parse a medium-sized XML file looking for an instance of a specific element. Once the developer has found the element, the value must be updated and saved to disk. Which two XML parsing APIs should be used in this situation? (Choose two.)

A. DOM
B. StAX
C. JAXM
D. SAAJ

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 116
Which two statements are true about creating a Web service with JAX-WS? (Choose two.)

A. Stateless Web services must be created with HTTP servlet endpoints.
B. Creating the portable artifacts by hand is slow, but makes a service easier to maintain.
C. All Java-based endpoints share a common packaging model.
D. EJBs can serve as endpoints if hosted in a container with runtime and service support.
E. JAX-WS supports creating services from source and compiled code without a WSDL.

Correct Answer: DE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 117
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.

Correct Answer: AE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 118
Given that a developer implemented a web service using Stateless Session EJB:

```
@WebService
@Stateless
public class Counter {
    int counter = 0;

    public int increment() {
        return ++counter;
    }
}
```

If a web service client invokes increment web service method twice consecutively, what must be the returned value after the second invocation ? (Choose one)

A. 0
B. 1
C. 2
D. 3
E. Undefined

Correct Answer: E
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 119
A student developer has created a new library of math functions to share with friends in a linear algebra class. The developer is having difficulty getting people to come over to the dorm to see the new code library, so he decides to deploy it as a Web service so that everyone can enjoy the features via the Internet. One of the functions has this WSDL definition:

<portType name="MyMathLib"><operation name="incCtr"><input message="tns:incCtr"/></operation></portType>

Which two statements are true about this Web service? (Choose two.)

A. This is an asynchronous receive.
B. This indicates a one-way message exchange pattern

C. The client must use SOAPFaultException to display any errors.

D. It must send a SOAP fault back to the sender.

E. It must NOT send a SOAP fault back to the sender.

Correct Answer: BE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 120
An organization has business logic implemented in EJB components. Current clients use container-managed, role-based security to access the business logic using RMI. Management has determined that the business logic must be made available to non-RMI clients using a Web service.

Which container-managed Web service security mechanism would the development team? use to allow Web service clients to use the current security model? (Choose one)

A. XKMS

B. XACML

C. XML Digital Signature

D. HTTP Basic Authentication

E. annotations mapped to the JAX-WS runtime

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference: