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Exam : 000-288

Title : Developing Web Services with WebSphere
Studio Application Developer V5.1

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QUESTION 1:

Which of the following is a required element of a web service?

- A. UDDI
- B. WSDL
- C. WSIL
- D. SOAP
- E. XML

Answer: E

QUESTION 2:

Other than the standard J2EE deployment descriptor files, which Web Service deployment descriptor file of the following is required so that a Web Service project can be deployed in WebSphere Studio Application Developer V5.1 Test Environment or WebSphere Application Server?

- A. web.xml
- B. MANIFEST.MF
- C. webservices.xml
- D. application.xmi
- E. jax-rpc.xml

Answer: C

QUESTION 3:

A Java Web Service has the following characteristics: The Service Endpoint Interface of the Web Service is unlikely to change, but the location of the service endpoint itself might change. Which JAX-RPC client invocation style is most suitable for accessing this Web Service?

- A. Stub
- B. Dynamic Proxy
- C. Dynamic Invocation Interface
- D. Service Locator
- E. SOAP Binding Stub

Answer: B

QUESTION 4:

The ability to perform dynamic discovery for a Web Service is provided PRIMARILY by

which of the following Web Service features?

- A. WSDL
- B. UDDI
- C. ENVELOPE
- D. SOAP

Answer: B

QUESTION 5:

The XML Schema editor can generate JavaBeans from an XML schema file. A Certkiller .com developer could use this capability to:

- A. easily create an SQL statement that returns an XML document
- B. generate JavaDoc that describes the XML schema
- C. digitally sign a SOAP header
- D. create classes that can load, process and save the schema associated with an XML file
- E. write classes that can load, process and save an XML file associated with the schema

Answer: E

QUESTION 6:

When using the find_service method of the UDDIProxy interface of the UDDI4J API, what parameter cannot be specified?

- A. The number of services to return
- B. A particular business instance
- C. Publisher assertions keys
- D. tModel uuid_key values
- E. A list of category references

Answer: C

QUESTION 7:

A Certkiller .com developer wants to test methods on a Web Service using its client stub. The client stub is a JAX-RPC static stub that has been generated for the IBM WebSphere 5.0.2 runtime. The developer launches the Universal Test Client against the generated ServiceLocator class. Which of the following is an appropriate next step for her to take towards the goal of invoking methods on the web service?

- A. Under Object References, expand the reference for the ServiceLocator object. Then select and invoke the method that returns an instance of the SoapBindingStub. Select the option to Work with Object for the stub object.

- B. Under EJB References, expand the reference for the EJB that underlies the web service, and select the object corresponding to its Home interface.
- C. Under Object References, expand the reference for the ServiceLocator object. Then select and invoke its getPorts() method. Select the option to Work with Object for the getPorts() return object.
- D. Navigate to the JNDI Explorer page of the UTC. Browse and find the JNDI entry for the Web Service, and select it.

Answer: A

QUESTION 8:

Which of the following is the correct WSDL Element order as required by WS-I?

- A. wsdl:import, wsdl:documentation, wsdl:message, wsdl:types
- B. wsdl:message, wsdl:types, wsdl:import, wsdl:documentation
- C. wsdl:types,wsdl:documentation, wsdl:import, wsdl:message
- D. wsdl:documentation, wsdl:import, wsdl:types,wsdl:message

Answer: D

QUESTION 9:

Which of the following Web Services run-time environments is NOT recommended for production use?

- A. IBM WebSphere 5.0.2
- B. IBM SOAP
- C. IBM Axis 1.0
- D. Apache Axis 1.0
- E. Apache XML RPC

Answer: D

QUESTION 10:

Public key cryptography has which of the following characteristics?

- A. Data encrypted with the sender's public key can only be decrypted by the RECEIVER'S PUBLIC KEY
- B. Data encrypted with the sender's private key can only be decrypted by the RECEIVERS'S PRIVATE KEY
- C. Data encrypted with the sender's public key can only be decrypted by the SENDER'S PRIVATE KEY
- D. Data encrypted with the sender's private key can only be decrypted by the SENDER'S PRIVATE KEY

Answer: C

QUESTION 11:

If a SOAPException is thrown, which of the following fault messages would be returned?

- A. SOAP-ENV:Client
- B. SOAP-ENV:Server
- C. SOAP-ENV:VersionMismatch
- D. SOAP-ENV:MustUnderstand

Answer: B

QUESTION 12:

JavaBeans generated from an XML schema must be contained in a WebSphere Studio Application Developer V5.1 project that is configured to work with Java source code. Which of the following projects would be suitable?

- A. XML
- B. Web
- C. Enterprise Application
- D. Java
- E. EJB
- F. Simple

Answer: B,D,E

QUESTION 13:

A Certkiller .com developer is creating a skeleton JavaBean Web Service from a WSDL document. Which of the following is NOT an option using the Web Service wizard?

- A. "Start the service in a Web project"
- B. "Generate a client proxy"
- C. "Generate sample values"
- D. "Test the Web Service" using the Universal Test Client
- E. "Test the generated proxy" using sample JSP application

Answer: C

QUESTION 14:

A Web Service dynamic client could find information in a UDDI registry by using the UDDI4J API with what kind of object?

- A. com.ibm.uddi.client.Proxy
- B. com.ibm.uddi.client.ConnectionFactory
- C. com.ibm.uddi.client.Connection
- D. com.ibm.uddi.client.UDDIProxy

Answer: D

QUESTION 15:

According to BEST practices for UDDI use, which of the following is used to reference the WSDL document describing an interface that is common to several services?

- A. Business entity
- B. Binding template
- C. Business service
- D. tModel
- E. Taxonomy

Answer: D

QUESTION 16:

Please refer to the exhibit. The client uses the UDDI registry and the Web Service proxy to discover and add flange services to a service list. Assume that the list is implemented as a vector of service keys. Choose the BEST approach to accessing vendor name, description, and contacts when a user clicks an entry in the list. Use the Exhibit:

Each member company of the Flange Consortium registers in a public UDDI registry. A consortium rule requires each company to present its catalog as a Web Service that implements a common UDDI technical model named "FlangeCat." The technical model refers to an online WSDL file. The WSDL file describes a Web Service that includes a getPrice(FlangeType) operation.. The Flange consortium is developing a thin client that presents a pick list of prices for any chosen kind of flange. Assume that the client uses a proxy generated from the FlangeCat technical model WSDL reference.

- A. service key of the clicked entry to obtain the business key from the registry, retrieve the business entry using the business; display the business name, description and contacts.
- B. service key of the clicked entry to obtain the service details; extract business key from the service details, retrieve the business entry using business key; display the business name, description and contacts
- C. business key of the clicked entry to retrieve the business entry using service key;

display the business name, description and contacts.

D. business key of the clicked entry to retrieve the service entry using service key;
display the business name, description and contacts

Answer: B

QUESTION 17:

According to Web Services for J2EE (JSR-109), a compliant Web Service can be implemented as:

- A. Entity EJB
- B. Stateless session EJB
- C. Service Endpoint
- D. Stateful session EJB

Answer: B,C

QUESTION 18:

Suppose A Certkiller .com developer uses the Unit Test UDDI creation wizard (launched from "File -> New -> Other -> Web Services -> Unit Test UDDI") to create user-defined categories in a UDDI registry. Which of the following can he do using the wizard?

- A. Create user-defined categories in a previously deployed unit test UDDI registry
- B. Create a user-defined category for which category values are restricted to a pre-defined set, by using a category value file
- C. Create a user-defined category with a specified key name
- D. Create a user-defined category for which category values are restricted to a pre-defined set, by entering the allowed values in the wizard dialog
- E. Create user-defined categories in the IBM UDDI Test Registry

Answer: A,B,C

QUESTION 19:

When building a Web Service for interoperability, which of the following does WS-I Basic Profile 1.0 insist on?

- A. An HTTP request message must use the HTTP POST method.
- B. A wsdl:message in a description must specify both type and element attributes on the same wsdl:part.
- C. Array declarations must not extend or restrict the soapenc:Array type.
- D. A message must use SOAP encoding for RPC.

Answer: A,C

QUESTION 20:

Given a URL to a WSDL file that describes a SOAP RPC service, A Certkiller .com developer uses the Web Services Explorer WSDL Page to open the file in the Action pane. To enter request body XML tags directly into the SOAP envelope body he would click the:

- A. method parameter link
- B. Load link in the XML into the method parameter field
- C. Form link in the Action pane to expose an XML input text area
- D. Source link in the Action pane to expose an XML input text area

Answer: D

QUESTION 21:

Certkiller .com organization assembles and sells via the internet, computers that are built JIT. Certkiller .com wants to be able to have users 'build' their computers online, using parts provided by Certkiller .com partners. The Web Service will allow the users to choose parts listed by the partners and when they have completed selecting all of the parts and have 'submitted' their orders, have the system schedule the work, and order all of the parts from the appropriate vendors automatically. Based on this scenario, which of the following statements is true?

- A. Partners must provide the Web Services implementing ordering and inventory
- B. Client Platform must support JMS
- C. The existing work scheduling would have to be written in Java
- D. The order management would need to expose its APIs to the internet.
- E. All of the Web Services would have to use XML over HTTP.

Answer: A

QUESTION 22:

How could A Certkiller .com developer easily test JavaBeans that WebSphere Studio Application Developer V5.1 generates from an XML schema?

- A. Use the XSL Debugger to step through the schema
- B. Use Web Services Explorer to load and exercise the JavaBeans
- C. Run the Universal Test Client against the JavaBean for the root XML element
- D. Use the generated test program and run or debug it as a Java application
- E. Generate a test program and then run it under JUnit

Answer: D

QUESTION 23:

Which of the following encoding schemes would result in the smallest message size when using the same information?

- A. SOAP RPC encoding
- B. RPC Literal encoding
- C. Document Literal encoding
- D. SOAP encoding

Answer: C

QUESTION 24:

A new EJB Web Service uses a JMS transport protocol. The developer must create a message-driven EJB to route requests to each EJB. To carry this out from WebSphere Studio Application Developer V5.1, he could use:

- A. Endpoint enabler
- B. WSDL Explorer
- C. Web Services wizard
- D. Web Services Explorer
- E. Web Deployment Descriptor Editor

Answer: A,C

QUESTION 25:

A Certkiller .com developer uses WebSphere Studio Application Developer V5.1 to create an EJB Web Service from a WSDL document. If that developer uses the wizard to select SOAP over JMS, which of the following will NOT be generated?

- A. EJB implementation
- B. Router EJB project
- C. Router WAR project
- D. service endpoint interface

Answer: C

QUESTION 26:

Which of the following is TRUE about testing with Web Services Explorer?

- A. A WSDL file is needed to test using Web Services Explorer
- B. Only simple XML Schema types can be tested
- C. Only Web Services that do not require any inputs can be tested

D. SOAP Envelopes can be be directly modified while testing

Answer: A,D

QUESTION 27:

Which of the following elements should a WSDL document contain so that it can be used by Web Services client wizards to generate client proxies?

- A. Fault
- B. Service
- C. Header
- D. Binding

Answer: B

QUESTION 28:

Which of the following statements express the benefits of creating import statements in the WSDL editor?

- A. allows separation of definitions
- B. supports separation of roles
- C. enables modularity
- D. improves performance
- E. reduces the number of documents

Answer: A,C

QUESTION 29:

Please refer to the exhibit. Which JAX-RPC client invocation style does this code snippet exemplify?

Exhibit:

```

Service service = ServiceFactory.newInstance().createService(n
    ull);
Call call = service.createCall();
URL u = new URL ("http://localhost:6080/AddressBookService/s
    ervices/AddressBook");

call.setTargetEndpointAddress(u);
call.setProperty(Call.SOAPACTION_USE_PROPERTY,
    Boolean.TRUE);
call.setProperty(Call.SOAPACTION_URI_PROPERTY,
    "getAddress");
call.setProperty (Call.ENCODINGSTYLE_URL_PROPERTY,"ht
    tp://schemas.xmlsoap.org/soap/encoding/");
call.setOperationName(new QName("om:address-book",
    "getQuote"));
call.addParameter("name", XMLType.XSD_STRING,
    ParameterMode.IN);
call.setReturnType("urn:address", AddressBook.class);

Object result = call.invoke(new Object[] {name = "John Doe"});

```

- A. Stub
- B. Dynamic Proxy
- C. Dynamic Invocation Interface
- D. SoapBindingStub

Answer: C

QUESTION 30:

A Certkiller .com developer using WebSphere Studio Application Developer V5.1 wants to associate a security role with all authenticated users. She would invoke the Security page of the Deployment Descriptor Editor for the desired J2EE application and then set the checkbox labeled:

- A. "Users/Groups" and add all users
- B. "Everyone"
- C. "All authenticated users"
- D. "All authorized users"

Answer: C

QUESTION 31:

A Certkiller .com developer using WebSphere Studio Application Developer V5.1 wants to add security roles and security constraints to an enterprise project that contains client modules. He would invoke the:

- A. Server Configuration Editor
- B. Server Deployment Descriptor Editor
- C. Deployment Descriptor Editor
- D. XML Editor

E. WebSphere Server Editor

Answer: C

QUESTION 32:

A Certkiller .com developer creates a Web Service from a Stateless Session Bean. Which option is not available in the wizard?

- A. Select methods
- B. Select encoding scheme
- C. Select signing certificate
- D. Select transport

Answer: C

QUESTION 33:

A business partner, Certkiller .com, has provided you with a WSDL document describing a web service they are running. Which of the following do you still require before you can expect that your invocations of the service are successful?

- A. the business meanings of the parameters or return values.
- B. the invariant conditions that are enforced by the service.
- C. the transport on which the service operates.
- D. the QoS characteristics of the service.
- E. the endpoint of the service.

Answer: A,B,D

QUESTION 34:

Which of the following statements concerning the mapping of XML constructs to Java as defined by JAX-RPC are correct?

- A. JAX-RPC defines mappings for XML complex types (xsd:complexType)
- B. JAX-RPC defines mappings for XML arrays and XML enumerations
- C. JAX-RPC defines mappings for xsd:anyType
- D. JAX-RPC does not define mappings for SOAP encoded types
- E. xsd:int will map to java.lang.Integer if the xsd:int element is marked as nillable in the base Schema

Answer: A,B,E

QUESTION 35:

Which of the following is NOT usually a key performance concern when implementing a web service?

- A. Security
- B. Being synchronous or asynchronous
- C. Endpoint location
- D. Statefulness

Answer: C

QUESTION 36:

Which of the following is TRUE of public key cryptography?

- A. Data encrypted with the sender's private key can only be decrypted by the SENDER'S PRIVATE KEY
- B. Data encrypted with the sender's public key can only be decrypted by the SENDER'S PRIVATE KEY
- C. Data encrypted with the sender's private key can only be decrypted by the RECEIVER'S PUBLIC KEY
- D. Data encrypted with the sender's public key can only be decrypted by the RECEIVER'S PRIVATE KEY

Answer: B

QUESTION 37:

Which of the following statements about an intermediary is NOT true?

- A. It may re-insert the header that it has processed.
- B. It must remove the header entry intended for it.
- C. It must keep the original message routing.
- D. It should generate a fault message when an error occurs.

Answer: C

QUESTION 38:

Which of the following are true for JMS protocols but NOT true for HTTP?

- A. receivers poll senders for request
- B. receivers poll senders for response
- C. supports tunneling
- D. supports multicasting
- E. supports transactions

Answer: D,E

QUESTION 39:

Which of the following are TRUE about Web Service command line tools provided by WebSphere Studio Application Developer V5.1?

- A. They cannot reuse existing server/client classes and artifacts when updating Web Service descriptors.
- B. They can be used to automate client proxy generation.
- C. They can be used to create Web Services from Java Beans and EJBs after they are packaged.
- D. They can be used to create Dynamic Invocation Interface proxies.

Answer: B,C

QUESTION 40:

A fat client application quotes retail prices for printing large orders of custom-printed T-shirts. Authorized screen-printing shops use the application to search vendor catalogs for comparative wholesale prices. The vendor catalogs are published on the Internet as secured Web Services advertised through UDDI. They implement a common UDDI T-model. The most appropriate transport protocol for the client is:

- A. JTA messaging
- B. JMS messaging
- C. HTTPS
- D. SNMP
- E. SMTP

Answer: C

QUESTION 41:

A message digest is:

- A. used to preserve message confidentiality
- B. used to preserve message integrity
- C. a cryptographic checksum of the message
- D. an x.509 certificate
- E. useful in blocking effects of denial-of-service attacks

Answer: B,C

QUESTION 42:

Which of the following fault codes indicates a problem delivering a message?

- A. SOAP-ENV:Client
- B. SOAP-ENV:Server
- C. SOAP-ENV:VersionMismatch
- D. SOAP-ENV:MustUnderstand

Answer: B

QUESTION 43:

Which of the following are TRUE about webservicessclient.xml? This file lists:

- A. the class of the generated Java interface that acts as a Service Interface
- B. WebSphere Application Server 5.0.2 specific bindings
- C. client-side Web Services security
- D. a reference to the WSDL file of the service it uses
- E. rules for packaging the Java implementations

Answer: A,D

QUESTION 44:

A Certkiller .com developer is creating a skeleton EJB from a WSDL file. Which of the following statements are NOT true?

- A. The only supported run-time is WebSphere 5.0.2.
- B. The Web Service must be started manually.
- C. The Web Service can be tested before a proxy is generated.
- D. The generated proxy provides a remote procedure call interface.

Answer: B

QUESTION 45:

In the Graph View of the WSDL editor, which of the following are NOT shown by default?

- A. Messages
- B. Port Types
- C. Bindings
- D. Services

Answer: C

QUESTION 46:

Which of the following are TRUE about Endpoint Enabler tool?

- A. It manages the lifecycle of the Web Service Endpoint implementation
- B. It provides transaction and security services to endpoint implementations
- C. It can be used to create modules that support SOAP over both JMS and HTTP.
- D. It provides programmatic controls to Web Service implementations to choose a type of transport.
- E. It can be used to add transports only to Web Services deployed as J2EE applications

Answer: C,E

QUESTION 47:

What WS-Security authentication mechanisms does IBM WebSphere Application Server V5.0.2 support by default?

- A. Form-based
- B. Client certificate-based
- C. usernameToken
- D. Binary token
- E. Basic

Answer: C,D

QUESTION 48:

Which of the following are TRUE of JAX-RPC clients?

- A. JAX-RPC clients can use a synchronous request-response invocation mode
- B. JAX-RPC clients can use a one-way RPC invocation mode in which they invoke a remote operation and return immediately without blocking.
- C. JAX-RPC clients must invoke a Web Service using a static stub generated at compile time
- D. JAX-RPC client code is independent of the messaging and transport protocol.
- E. The client stubs (that are generated by tooling) must be portable across vendors.

Answer: A,B,D

QUESTION 49:

A Certkiller .com developer invokes the Web Services Explorer UDDI Publish page to publish a business categorized by location. She uses the Categories Add link to create an empty GEO category row. In that row she selects GEO from the dropdown that appears.

How could she BEST enter the correct GEO key name and key value?

- A. Use auto-complete in the Key Value field to drill down to the desired location
- B. Click the Categories Browser icon in the GEO item and then drill down to the desired location
- C. Click the browse link in the GEO item, and then drill down to the desired location in the Categories Browser
- D. Invoke the Categories Cheat Sheet under main menu "Help -> Cheat Sheets -> Other"
- E. Invoke main menu "Help -> Tips and Tricks"

Answer: C

QUESTION 50:

Which of the following statements is NOT TRUE about the Unit Test UDDI Registry capability?

- A. The UDDI Unit Test registry supports the publisher assertion and service projection features of UDDI Version 2
- B. Once a UDDI Unit Test registry is created, you can browse and publish entities to it using the Web Services Explorer
- C. A UDDI Unit Test registry can contain user-defined categories
- D. A UDDI Unit Test registry can be replicated

Answer: D

QUESTION 51:

A Web Service designer could promote message confidentiality through the use of:

- A. Canonical checksums
- B. Security tokens
- C. XML encryption
- D. Role-based certificates
- E. Attachments

Answer: B,C

QUESTION 52:

A Java enterprise application exposes its EJBs as Web Services. During deployment it is discovered that more transports need to be supported without incurring any custom development tasks. Which of the following WebSphere Studio Application Developer V5.1 features BEST helps accomplish this objective?

- A. Dynamic Proxies

- B. Endpoint Enablers
- C. Service Endpoint Interfaces
- D. Transport Enablers

Answer: B

QUESTION 53:

SOAP attachments are non-XML files that accompany a SOAP message. A Web Service SOAP attachment:

- A. Is transport-dependent
- B. Consists of a primary part and at least one secondary part
- C. Can be indicated by a MIME type
- D. Cannot reference a later attachment
- E. Must contain binary data

Answer: B,C

QUESTION 54:

Which of the following are the most appropriate methods to deploy a service implementation based on EJB service endpoints?

- A. The WSDL file, Web Services deployment descriptor, JAX-RPC mapping files are placed relative to the WEB-INF directory
- B. The WSDL file, Web Services deployment descriptor, JAX-RPC mapping files are placed relative to the META-INF directory
- C. The service implementation classes are packaged as per the rules defined by Servlet specification
- D. The classes are packaged as per the rules defined by Enterprise JavaBeans specification.

Answer: B,D

QUESTION 55:

Which encoding style for Web service messages BEST balances performance and relative ease-of-use for the developer?

- A. RPC encoded
- B. RPC literal
- C. Document encoded
- D. Non-wrapped document literal

Answer: B

QUESTION 56:

A Web Service application developer has created a Web Service with a JAX-RPC endpoint. Which of the following tasks need to be done in order to bind the port components with the endpoint implementations?

- A. Define the port component in web.xml
- B. Define the Service endpoint class in WSDL
- C. Define the Service endpoint class in web.xml
- D. Associate the Service endpoint class with the port-component in webservicex.xml using servlet-link
- E. Associate the Service endpoint class defined in WSDL with the port component

Answer: C,D

QUESTION 57:

A Certkiller .com developer wants to use the TCP/IP Monitor to examine the HTTP requests and responses being sent between a Web Service client and a SOAP Web Service. He has configured the TCP/IP Monitor to listen for requests on port 9081 and then forward these requests to the test server hosting the Web Service on port 9080. Which of the following additional changes need to be made in order to successfully view the SOAP traffic between the client and the Web Service?

- A. Change the web browser request URL to use port 9081 instead of 9080.
- B. Change the Web Service client code to use an endpoint address of 9081 instead of 9080.
- C. Configure the Web Service to use HTTPS instead of HTTP.
- D. Change the Web Service implementation code to listen on port 9081.

Answer: B

QUESTION 58:

Which of the following are TRUE about webservicex.xml? This file defines:

- A. port's name, bean classes and Service Endpoint Interface (SEI)
- B. WebSphere Application Server 5.0.2 specific bindings
- C. Web Services security
- D. the WSDL file of the service it uses
- E. data sources, if any, used by the Web Service

Answer: A,D

QUESTION 59:

A new JSP/servlet application will present an easy-to-understand user interface to UDDI yellow pages information accessed through SOAP protocol. An unsophisticated end-user could use the application to locate and print information about firms doing business on the Web. The most appropriate transport protocol to access the UDDI information is:

- A. SNMP
- B. SMTP
- C. HTTPS
- D. JTA messaging
- E. JMS messaging

Answer: C

QUESTION 60:

Which of the following is true of UDDI publisher assertions? A publisher assertion:

- A. allows for associations to be formed between several businessEntity structures
- B. contains rules that a publisher is valid
- C. references a group of businessEntity structures
- D. defines a group of publish structures
- E. is accessed by the Web Services Explore Manage Publisher Assertions icon

Answer: A,C,E

QUESTION 61:

Which of the following is NOT currently part of the implementation of a Web Service (as opposed to its deployment artifacts) according to Web Services for J2EE (JSR-109)?

- A. a stateless session EJB or JAX-RPC Service endpoint that implements the methods as described in the WSDL
- B. a WSDL document
- C. a service instance called a Port
- D. a description of security attributes

Answer: D

QUESTION 62:

How can a WebSphere Studio Application Developer V5.1 user quickly create or load an instance document that conforms to a given XML schema without coding directly to the DOM APIs? Choose the BEST answer.

- A. Convert the XML schema to a DTD and then generate JavaBeans from the DTD
- B. Use the Web Services Explorer API to work with the document
- C. Generate JavaBeans from the schema by using XML schema editor
- D. Invoke the XML to XML mapping editor on the schema and then pick Generate JavaBeans

Answer: C

QUESTION 63:

Web Services Security in WebSphere Application server 5.0.2 is based on the new WS-Security specification which provides which of the following?

- A. Transport Level Standard
- B. Use of XML Digital Signature
- C. XML encryption
- D. Credential Propagation through security tokens
- E. Support for Apache SOAP security

Answer: B,C,D

QUESTION 64:

According to JAX-RPC, each PortType element in a WSDL document is mapped to which Java object?

- A. Service Endpoint Interface
- B. Service Interface
- C. Service Implementation Bean
- D. ServiceBindingStub

Answer: A

QUESTION 65:

A Certkiller .com developer wants to validate that the SOAP traffic produced by a Web Service complies with Web Services Interoperability (WS-I) Basic Profile 1.0. Assume she generates a proxy and sample client application, and sets up the TCP/IP monitor to view the traffic between the client and the Web Service. Which of the following is the best additional step to perform to validate compliance of the traffic?

- A. Run the client application and use the TCP/IP monitor to generate a log file which lists any WS-I Basic Profile non-compliances in the traffic
- B. Run the client application and visually examine the SOAP traffic to see if it conforms to WS-I Basic Profile 1.0.
- C. Launch the Universal Test Client against the TCP/IP monitor and use the UTC's WS-I

Basic Profile traffic analysis capability

D. Save the generated SOAP traffic to a file, and use the Web Services Invocation Language (WSIL) APIs to analyze it for WS-I Basic Profile non-compliances

Answer: A

QUESTION 66:

A Certkiller .com developer implements an EJB Web Service conforming to Web Services for J2EE (JSR-109). Which of the following artifacts need to be packaged with the J2EE EAR for the Web Service?

- A. Service Endpoint Interface
- B. Soap Binding Stub
- C. Java to WSDL mapping XML File
- D. Service Locator class
- E. WSDL file

Answer: A,C,E

QUESTION 67:

Which of the following can be used by Web Services Client creation wizards in WebSphere Studio Application Developer V5.1 to create Java client proxies and stubs?

- A. UDDI document
- B. WSDL document
- C. WSIL Document
- D. webservicesclient.xml
- E. webservices.xml

Answer: B,C

QUESTION 68:

To access the Web Service User-Defined Function wizard, A Certkiller .com developer would begin by clicking "File -> New -> Other" to invoke the New dialog. Which category on the detail (left) pane would she click on to display Web Service User-Defined Function in the detail pane?

- A. Web Services
- B. Data
- C. J2EE
- D. Web
- E. UDF

Answer: B

QUESTION 69:

Which of the following are TRUE with regard to Web Service clients?

- A. A single Stub can be used to access all ports defined in a WSDL file.
- B. Dynamic Proxies require code generation of Stubs.
- C. Java applications can invoke Web Services using Stubs or Dynamic Proxies.
- D. Dynamic Invocation Interfaces de-couple transport bindings and protocols from the Web Service client implementations.
- E. ServiceLocators de-couple Web Service clients from Web Service endpoints.

Answer: C,E

QUESTION 70:

Which of the following represent key advantages of Web Services?

- A. Reduced complexity to Web Service consumer by using a standards-based API.
- B. Simple way to manage distributed transactions in a complex environment.
- C. Ability to provide 'Just-in-Time' integration using dynamic discovery.
- D. Universally accepted security model that allows for the easy creation of secure services.
- E. Improved interoperability by providing a way to wrap legacy applications.

Answer: A,C,E

QUESTION 71:

A Certkiller .com developer mistakenly adds three erroneous identifiers in the Web Services Explorer UDDI Publish page while entering information for a new business. She wants to remove all identifiers from the page before publishing it. How could she BEST delete all the identifiers?

- A. Select the row and then click the Categories Remove link
- B. Click the Refresh icon without saving the business element
- C. Click the Select All option box in the categories header and then click the Remove link
- D. Click the Select Row option box in each category row and then click the Remove link
- E. Set the Publication format to Simple and back to Advanced to make the categories disappear

Answer: C

QUESTION 72:

Signing parts of a SOAP message is used to:

- A. authorize the message sender
- B. reduce message length
- C. verify the message receiver
- D. promote message integrity

Answer: D

QUESTION 73:

Which of the following methods can be used to launch the Universal Test Client to test a Web Service? Assume the Web Service has been generated from an enterprise bean called MyBean and it uses the IBM WebSphere 5.0.2 Web Services run-time environment.

- A. In the J2EE perspective, find the client's generated ServiceLocator class, right-click on it, and select Web Services, Launch Universal Test Client from the context menu.
- B. Launch the Web Services Explorer, and select the option to open the Universal Test Client from it.
- C. Open the Server Configuration Editor of the test server, select the Web tab, and choose the option to launch the Universal Test Client.
- D. Select the enterprise bean MyBean from the J2EE perspective, right-click on it and select Web Services, Launch Universal Test Client from the popup menu.

Answer: A

QUESTION 74:

Which of the following statements are TRUE with respect the the web services command line tools in WebSphere Studio Application Developer v5.1?

- A. wsdeploy can be used to prepare a WAR file for deployment in WebSphere as a JAX-RPC service
- B. wsconfig can be used to alter the descriptor of a deployed web service
- C. wscompile can be used to generate deployment code for a JAX-RPC service
- D. wsngen can be used to generate a Java bean skeleton from a WSDL file

Answer: A,C

QUESTION 75:

Which of the following is TRUE about testing a Web Service with SOAP bindings using Web Services Explorer?

- A. Web Services Deployment Descriptors are used by Web Services Explorer to test Web Services
- B. Web Services Explorer acts as a Web Service client
- C. SOAP exchanges can be monitored as the service is tested
- D. SOAP envelopes that require complex types cannot be tested
- E. Forms or direct data input in Source panes can be used to feed data

Answer: B,C,E

QUESTION 76:

A J2EE web application needs to access a Web Service for its data processing. It has been decided to use client proxies to access the Web Service. While the operation, parts and service endpoint are known at the time of application development the port and the bindings are known only during runtime. Which of the following type of client proxies would BEST suit this application?

- A. Dynamic Invocation Interface
- B. Dynamic Proxies
- C. Stubs
- D. Service Endpoint Interface
- E. Handlers

Answer: B

QUESTION 77:

Which of the following Web Services run-time environments are JAX-RPC (JSR-101) compliant?

- A. IBM WebSphere 5.0.2
- B. IBM SOAP
- C. IBM Axis 1.0
- D. Apache Axis 1.0
- E. Apache XML RPC

Answer: A,D

QUESTION 78:

A Web Service uses an EJB to retrieve a large binary JPEG file as a response value. The Web Service uses SOAP messaging protocol over an HTTP transport. The developer must minimize the size of the response. Choose the BEST approach.

- A. Convert the JPEG file into an XML element attribute using base 64 encoding

- B. Convert the JPEG file into XML character data using base 64 encoding
- C. Use SOAP attachments over MIME
- D. Set the response in an HTTP cookie
- E. Use UTF-8 encoding

Answer: C

QUESTION 79:

Which of the following are true of the Universal Test Client (UTC)?

- A. UTC provides a consistent interface for invoking methods on Web Services, enterprise beans, and Java objects
- B. UTC allows developers to test WebSphere Application Developer generated Web Service proxies using a web browser-based interface
- C. UTC can be used to navigate a UDDI registry and publish Web Services to it
- D. WebSphere Studio Application Developer generated Web Services code needs to be instrumented with callback hooks in order to be invocable through UTC

Answer: A,B

QUESTION 80:

When choosing which parts of an application to expose for use as a Web Service, which of the following criteria is LEAST important?

- A. Whether the client is based on .NET, Java or other
- B. Number of Web Service calls required to complete a task
- C. Security requirements of the business aspect being exposed
- D. Whether the service will need to be available via the intranet or Internet.

Answer: A

QUESTION 81:

Which of the following can A Certkiller .com developer add as a child to the service element using the Graph view of the WSDL editor?

- A. port
- B. port type
- C. binding
- D. message

Answer: A

QUESTION 82:

Which of the following soap encoding mechanisms would provide the MOST performance benefit to a web service?

- A. SOAP RPC
- B. SOAP RPC Literal
- C. Document Literal Encoding
- D. IIOP Type Encoding
- E. HTTP Type Encoding

Answer: C

QUESTION 83:

A Certkiller .com developer creates a Web Service from an existing EJB. Which of the following is NOT a prerequisite?

- A. Create an enterprise application
- B. Create an EJB module
- C. Deploy the EJB
- D. Publish the enterprise application

Answer: D

QUESTION 84:

A Certkiller .com developer exposes an existing stateless session EJB as a Web Service. Which of the following transports can be used in WebSphere Studio Application Developer V5.1?

- A. only SOAP over HTTP
- B. only SOAP over JMS
- C. either SOAP over HTTP or SOAP over JMS
- D. neither SOAP over HTTP nor SOAP over JMS

Answer: C

QUESTION 85:

An enterprise exposes a set of B2B Web Services to authorized partners using HTTP and JMS messaging transport protocols. Choose the MOST appropriate technology to promote the link-level integrity and confidentiality of each message:

- A. x.509 messaging
- B. 802.11b messaging

- C. TLS/SSL encoding
- D. cryptographic checksum
- E. secure LDAP

Answer: C

QUESTION 86:

How many WSDL files are created by the Web Services wizard in WebSphere Studio Application Developer V5.1 for an EJB Web Service using the WebSphere 5.02 run-time environment?

- A. 1
- B. 2
- C. 3
- D. 4

Answer: A

QUESTION 87:

Before invoking the Web Service User-Defined Function wizard to create a user-defined function that accesses a Web Service, what must be defined?

- A. a database deployment descriptor in the DB Servers view
- B. a SQL-to-SOAP mapping in the Data Definitions view
- C. a Web Service User-Defined Function proxy
- D. a stored procedure
- E. a DB2 database in the Data Definitions view

Answer: E

QUESTION 88:

Which of the following Java types does not have a JAX-RPC supported mapping?

- A. Java arrays
- B. java.util.Hashtable
- C. Java primitive types
- D. Java beans
- E. java.lang.String

Answer: B

QUESTION 89:

Which of the following statements regarding JAX-RPC Handlers is NOT true?

- A. Client-side Handlers run after the Stub/proxy has marshaled the message, but before container services and the transport binding occurs.
- B. Server-side Handlers run after container services have run including method level authorization, but before demarshalling and dispatching the SOAP message to the endpoint.
- C. Handlers can modify the SOAP message and operation name.
- D. Currently there is no standard means for Handlers to access the security identity associated with the request.

Answer: C

QUESTION 90:

What will the developer see when working in the Graph view of the WSDL editor?

- A. Bindings linked to Messages having input and output parts
- B. Ports linked to Port Types having operations related to Messages
- C. Port Types linked to Ports having Bindings linked to Messages
- D. Services having Port Types linked to Ports having Bindings

Answer: B

QUESTION 91:

A Certkiller .com developer wants to analyze SOAP traffic between a Web Service and its clients for WS-I incompatibilities. She has already generated a proxy and a sample application, and set up the TCP/IP monitor to direct the sample application traffic through it. She invokes a method on the Web Service, and saves the WS-I message log file generated by the TCP/IP monitor. Which of the following methods is MOST suitable for viewing WS-I incompatibilities listed in the log file?

- A. Open and view the log file using an XML editor
- B. Save the log file to one of the projects in the workspace, and view any WS-I incompliances in the task pane
- C. Open and view the log file using the WSDL editor
- D. Open and view the log file using the Web Services Explorer

Answer: B

QUESTION 92:

Which of the following statements are TRUE of the Universal Test Client (UTC)?

- A. UTC cannot be used to invoke Web Services that use the Apache SOAP or Axis

runtimes.

- B. If using the WebSphere Application Server 5.0.2 Web Services runtime, the generated ServiceLocator and SoapBindingStub classes can be accessed through UTC to invoke a Web Service
- C. UTC uses the Web Services Invocation Language(WSIL) APIs to discover and invoke a Web Service
- D. UTC can be used to explore and test WSDL documents
- E. UTC can be used to test the methods of Web Services client stub objects without developing or generating a test client application

Answer: B,E

QUESTION 93:

Which of the following are TRUE about packaging Web Services as a J2EE application?

- A. The Web Service endpoints are defined in J2EE Application deployment descriptor (application.xml)
- B. Web Services with JAX-RPC service endpoints are packaged in WAR files.
- C. Web Service clients can be deployed only as J2EE enterprise applications
- D. Web Services with Stateless Session Bean service endpoints are packaged in an EJB JAR file.
- E. The transaction and security services of a J2EE container are not available to Web Services.

Answer: B,D

QUESTION 94:

Which of the following statements concerning the mapping of WSDL to Java as defined by JAX-RPC is NOT CORRECT?

- A. Each WSDL <portType> element is mapped to a Java interface called the Service Endpoint Interface (SEI)
- B. Each <operation> within the <portType> is mapped to a Java method in the SEI
- C. The <message> elements of the <operation> are mapped to parameters and return types of the methods of the SEI
- D. WSDL faults are mapped to a set of return codes defined as constants
- E. Complex return types must implement java.io.Serializable.

Answer: D

QUESTION 95:

A Certkiller .com developer creates roles and assigns them to EJB and Web resources that participate as server-side and client-side components of Web Services. She must wait

until deployment to assign users and groups to those roles. This is because the:

- A. role hierarchy is calculated during deployment
- B. user principal registry is unknown until deployment
- C. authorization database resides in the server
- D. impersonation rules are server-dependent

Answer: B

QUESTION 96:

A Certkiller .com developer creates a Web Service from a JavaBean. Which of the following statements are true?

- A. static methods can be exposed
- B. document/literal can NOT be used
- C. an SEI is always generated
- D. security can be enabled
- E. security can NOT be enabled

Answer: A,D

QUESTION 97:

A Certkiller .com developer is creating an EJB Web Service from a WSDL document. Which of the following will NOT be generated by WebSphere Studio Application Developer V5.1, if the developer uses the wizard and selects SOAP over HTTP?

- A. an EJB implementation
- B. a Router EJB project
- C. a Router WAR project
- D. a service endpoint interface

Answer: B

QUESTION 98:

Web Services can be provided using a number of protocols. Which of the following protocols would provide the HIGHEST level of interoperability?

- A. SOAP
- B. RMI
- C. JMS
- D. SMTP

Answer: A

QUESTION 99:

Which of the following are true of Web Services for J2EE (JSR-109)?

- A. It defines deployment descriptors for Web Services on both the server and client side
- B. It defines a new type of archive file for Web Services archives
- C. It defines a programming model for an Entity EJB as an implementation of a Web Service
- D. It defines a programming model for a Stateless Session EJB as an implementation of a Web Service
- E. It is part of J2EE 1.3 specification

Answer: A,D

QUESTION 100:

Which of the following are TRUE when Web Services are deployed in a J2EE container?

- A. The target container manages the port instances for the Web Service
- B. The Web Service manages the port instances
- C. The target container implements the business logic of the Web Service
- D. The target container provides concurrency, transaction and security services
- E. The Web Service manages its life cycle for the service implementation

Answer: A,D

QUESTION 101:

Which of the following approaches for development of Web Services using WebSphere Studio Application Developer V5.1 are top-down?

- A. Web Service from JavaBean
- B. Web Service from ISD
- C. JavaBean from WSDL
- D. Java client proxy from WSDL
- E. JavaBean from XSD

Answer: C

QUESTION 102:

Which of the following approaches for development of Web Services using WebSphere Studio Application Developer V5.1 is NOT bottom-up?

- A. ISD

- B. JavaBean
- C. WSDL
- D. EJB
- E. URL

Answer: C

QUESTION 103:

According to IBM Patterns for e-Business, a Web Service that uses a WSDL AND a proprietary protocol, such as IIOP or JMS API, would most appropriately be used for which of the following?

- A. An "Enterprise Web Service" integrating legacy applications.
- B. An 'Internet Web Service' providing access to business processes.
- C. An 'XML Web Service' providing advanced message integration.
- D. A 'Web Service Gateway' providing advanced routing

Answer: A

QUESTION 104:

Which of the following files generated for a JavaBean Web Service will NOT be found in the server Web project?

- A. JavaBean
- B. Proxy
- C. Admin application
- D. ISD file
- E. XSD file

Answer: B

QUESTION 105:

An application provides Stock Quotes as a SOAP Web Service. Due to a change in the business requirements, the underlying endpoint implementation of the Web Service needs to be rewritten without any modification to the Port components. Which section of the Web Services deployment descriptor should A Certkiller .com developer modify to effect this change?

- A. Handlers
- B. Port Component references
- C. Security
- D. WSDL
- E. Binding Configurations

Answer: B

QUESTION 106:

Which of the following are true of the TCP/IP Monitor?

- A. A TCP/IP Monitor can be used to monitor the SOAP traffic between a SOAP client and a SOAP Web Service.
- B. A TCP/IP Monitor acts as a proxy to the server hosting the Web Service.
- C. Use of the TCP/IP Monitor for testing a Web Service requires that the Web Service implementation code be changed.
- D. A TCP/IP Monitor instance can be created from the Server Perspective.
- E. A TCP/IP Monitor can be used to view SOAP over HTTPS traffic.

Answer: A,B,D