**Exam**     :     **310-053**


**Title**     :     Sun Certified Enterprise
              Architect, Java, EE5
              Upgrade Exam


**Version**  :     DEMO

1.You are asked to architect an SOA solution that leverages Java web services. The architecture needs to be flexible and allow for the SOAP 1.1, SOAP 1.2, and REST implementations. Which Java EE technology should you use?

A.JAXP

B.JAXB

C.JAX-WS

D.JAX-RPC

Answer:C

2.Which application would NOT be a good candidate for an EJB-centric implementation of the business tier?

A.an application that transfers money between accounts

B.a news-oriented web site that receives millions of hits a day

C.an application with business logic that calls third-party web services

D.a small workflow-oriented application to provision and deprovision employee accounts

Answer:B

3.Your application depends upon heavy web services communication that distributes large XML objects over HTTP. Your architecture is event driven and you require the creation of bi-directional XML parsers that are fast, easy to implement, and have a low memory footprint. Which Java EE API is best suited for your solution?

A.StAX

B.DOM

C.JAXB

D.JAXR

Answer:A

4.What is an advantage of XML over HTTP, as compared to SOAP over HTTP, for web services?

A.guaranteed delivery

B.more security options

C.smaller message size

D.strongly typed parameters

Answer:C

5.SOAP was selected as an integration technology for the flexibility of messaging styles it supports (in particular, how an XML payload can be presented in a SOAP message). Which message-style statement is correct?

A.The body of an RPC-style SOAP message cannot be a literal message.

B.The XML payload for a document-style message cannot be an encoded message.

C.The XML payload for RPC and document-style messages guarantee XML payload delivery.

D.An RPC-style message has the XML payload wrapped inside an operation element in a SOAP body.

Answer:D

6.Your web page design company is designing web sites for all of the stores in a local mall. Your company must create a consistent "look and feel" for these sites. Once this "look and feel" project has gone through demonstration, enhancement, and approval iterations with the mall's clients, your job will be done, and the development of the actual B2C (business to client) system will be handled by a different firm. Which architecture is most appropriate for your prototype project?

A.two-tier, web-centric

B.three-tier, web-centric

C.three-tier, enterprise-centric

D.three-tier, application-centric

Answer:A

7.ABC Travel offers a flight reservation service, exposed as a web service. XYZ Stays offers a hotel reservation service, also exposed as a web service. ABC and XYZ will not change their web services. A startup company has contacted you for advice about designing a new service that combines flight and hotel reservations, which they will offer as a web service. The startup company plans to provide their service by implementing a portable Java EE solution that aggregates the two services offered by ABC Travel and XYZ Stays. A combined reservation succeeds only if both the flight reservation and the hotel reservation succeed. What is the most effective way to meet the business requirement?

A.The startup company should implement their new service as a web service that uses an XA transaction manager.

B.The startup company cannot implement their new service as a web service, but must use an EJB component to gain transaction propagation.

C.The startup company should implement their new service as a web service by calling the two existing services, and implementing their own compensating transaction.

D.The startup company can implement their new service as a web service by calling the two existing services in a single transaction, relying on transaction propagation to support this business rule.

Answer:C

8.Click the Task button. Answer & Explanation Correct Answer Explanations No more information available



Answer:

9.Given the following architecture: browser clients one web server one database server You are considering modifying the architecture by replacing the single web server with a cluster of web servers that are capable of load balancing. All servers being considered have the same specification. Which two are true? (Choose two.)

A.It would simplify security.

B.It would improve scalability.

C.It would improve availability. D.It
would improve performance. E.It
would improve maintainability.

Answer:B C

10.A teenage fashion website, has a multi-tier web application with 103 web servers, 12 middle-tier servers, and a large RDBMS server with more than enough capacity to support peak loads. You are the architect of the system, and you are concerned about reliability of the web application. Which change could you make to improve reliability?

A.add additional web servers B.add
additional database servers C.add
additional middle-tier servers

D.reduce the number of web servers

E.reduce the number of middle-tier servers

Answer:B

11.Which three statements are guaranteed to be true about an ORM-centric approach to data persistence, regardless of the specific implementation chosen? (Choose three.)

A.ORM implementations can be supported by tool vendors to improve developer productivity.

B.ORM implementations typically trade off a small decrease in raw performance in return for greatly improved developer productivity.

C.ORM implementations can optimize persistence strategies to scale in both single (one server) and clustered (multiple servers) scenarios.

D.ORM implementations provide the same level of data access and manipulation semantics, as provided by accessing the underlying datastore directly.

E.ORM frameworks are verifiably correct in applying ACID (atomicity, consistency, isolation, durability) to database access, which is an advantage over JDBC.
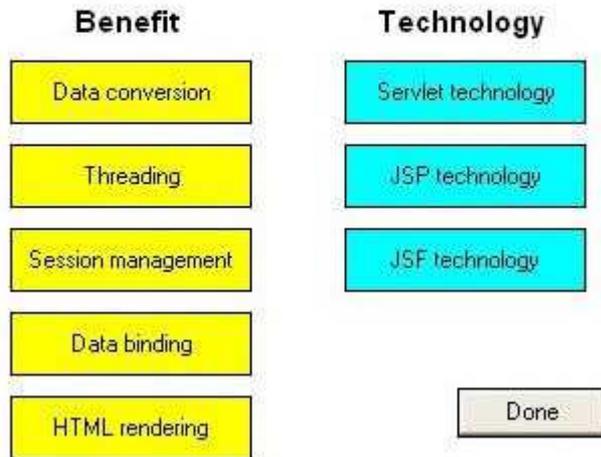
Answer:A B C

12.A company is designing an application to recalculate price information for all the items in its catalog in real time based on a large set of factors, including customer demand at different stores and inventory level in its network of warehouses. Price calculations are scheduled to happen at regular intervals, but more frequent executions can be triggered by changing business conditions. Furthermore, it is critical that price updating be carried out as a transactional, all-or-nothing operation. Which two types of components could be used to meet the company's requirements for implementing the "update price" business operation in a portable way? (Choose two.)

A.JPA entity class B.BMP
entity bean C.CMP entity
bean D.message-driven
bean E.stateless session

bean Answer:D E

13.Click the Task button. Answer & Explanation Correct Answer Explanations No more information available

Place the type of technology onto the benefits of that technology. Note that the technology options can be used more than once.

**Benefit**

Data conversion

Threading

Session management

Data binding

HTML rendering

**Technology**

Servlet technology

JSP technology

JSF technology

Done

Answer:

14.Your company has defined a set of business operations that it makes accessible to client applications. These operations, which are modeled as methods on a stateless session bean component, act as building blocks for complex state changing activities that need to possess atomicity, consistency, isolation, and durability (ACID) semantics. Which remoting technology is most appropriate out of the box?

A.RMI

B.JMS

C.Web services

D.XML over HTTP

Answer:A

15.Your company supports multiple versions of a web service implemented using a stateless session bean. Initially, it was expected that the interface would grow over time with the addition of new methods, but now substantial changes are needed to several of the existing methods. Your company's clients are concerned that having old and new methods side by side would result in unwieldy interfaces. As you review the changes, you realize that the behavior behind the old and new operations is identical and the suggested changes are only a matter of refactoring the operation signatures and the data types used. Which approach would you recommend to handle this situation with minimal disruption?

A.customize the existing web service interface using annotations until it identical to the new one

B.have the existing stateless session bean class implement the new web services interface alongside the old one

C.create a new stateless session bean with the new web service interface and have it delegate to the existing web service implementation class

D.duplicate the code in the existing stateless session bean class, then make the necessary changes to its web interface and rename them accordingly

Answer:C

16.Which set of features specific to EJB 3.0 makes it a strong foundation for Java EE development?

A.guaranteed improvement in performance and scalability over previous specification revisions

B.EJB 3.0 guarantees improvement in performance and scalability over previous specification revisions

C.use of Java proxies to handle pre-request and post-request processing, JAAS integration for security, and local interfaces to streamline calls between enterprise beans in the same JVM

D.Java 5 annotations and sensible programmatic defaults, elimination of the EJB component interfaces (resulting in a better inheritance model), enhanced EJB QL, and the Java Persistence API (JPA)

Answer:D

17.Your company is starting its first project using EJB 3. The developers are familiar with developing web applications using servlets and MVC web frameworks. Which argument supports the decision of using EJB 3 on the project?

A.EJB 3 session beans are POJO classes.

B.EJB 3 session beans use the same threading model that servlets use.

C.Database resources are available to every EJB 3 session bean without any developer intervention.

D.EJB 3 session beans can be defined directly inside a WAR file, without requiring a separate EJB JAR file.

Answer:A

18.What is a purpose of the Web Services Metadata for the Java Platform specification (JSR-181)?

A.to simplify development of web services from JSPs

B.to simplify development of web services from POJOs

C.to simplify development of web services from JMS destinations

D.to simplify development of web services from MDB components

Answer:B

19.As part of your SOA infrastructure, you are interested in implementing a client that can request information about businesses worldwide from a UDDI registry. Which Java EE API provides interfaces for gathering data about these businesses?

A.StAX

B.JAXB

C.JAXP

D.JAXR

Answer:D

20.A company has retained you to advise them on which standard methodology they should use when building their next-generation product suite using Java EE. The core requirements are as follows: The presentation tier must run inside a browser and deliver a compelling end-user experience. The business logic tier must support transactions. The persistence tier must be easy to develop, but not at the expense of runtime performance. The company is designing for the future, and wants to use the most future-proof approach possible. Which high-level solution most closely meets the stated requirements?

A.JSPs using JSTL communicating with controllers / POJOs, with the persistence model implemented using JPA

B.JSPs using scriptlets communicating with stateful session beans using controllers, with the persistence model implemented using JPA

C.JSPs using JSTL communicating with stateless session beans using controllers, with the persistence model implemented using BMP entity beans

D.JSPs using JSTL coupled with an Ajax-enabling JavaScript library communicating with stateless session beans using controllers, with the persistence model implemented using JPA

Answer:D

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