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Question 1

When should a JPA entity implement the Serializable interface?

Options:

A- when JPA entities are used in the EJB Full container

B- when JPA entities are used outside of the EJB Lite container

C- always, because JPA entities are required to implement the Serializable interface

D- when JPA entities are used as parameters or return values by the remote EJB operations

Answer:

D

Question 2

Given the code fragment:

```
Cookie cookie = new Cookie ("key","value");
cookie.setMaxAge (-1);
```

How long does this cookie persist?

Options:

A- until server shutdown

B- until garbage collection in the servlet instance

C- this request

D- until browser shutdown

Answer:

D

Question 3

Question Type: **MultipleChoice**

Given a JSL document describing a batch job:

```xml
<job id="ProductLoadJob"
xmlns=http://xmlns.jcp.org/xml/ns/javaee version="1.0">
<step id="ProcessProduct">
        <chunk item-count="10">
                <reader ref="ProductReader"/>
                <processor ref="ProductProcessor"/>
                <writer ref="ProductWriter"/>
        </chunk>
</step>
</job>
```

How do you initiate a batch job?

Options:

A- Get the JobExecution object from BatchRuntime and call its start() method.

B- Get the JobExecution object from BatchRuntime and set its status to JobStatus.INITIATED.

C- Get the JobOperator object from BatchRuntime and call its start() method.

D- Call BatchRunTime.initialize("ProductLoadJob");

Answer:

A

Question 4

Given the code fragment:

```
public void onMessage(Message msg) {
      try {
              // get property names
      } catch (Exception e) {

  }
```

How can you get all property names of a JMS message in the JMS consumer onMessage operation?

Options:

A- String [] props = msg.getPropertyNames();

B- Enumeration props = msg.getPropertyNames();. Iterator props = msg.getPropertyNames();

C- List<String> props = msg.getProperties();

Answer:

A

Question 5

On your JSF page, you have a form in which you have a command button:

```
<h:commandButton value="Click Me!"
                 actionListener="#{someBean.listenCarefully}"
                 action="#{someBean.actNow}"/>
```

A user submits the form by clicking the button, and no errors occur while processing the request. Which statement is true?

Options:

A- The actNow() and ListenCarefully() methods are executed in parallel.

B- The listenCarefully() method is executed followed by the actNow() method.

C- The actNow() method controls the condition upon which the listenCarefully() method is allowed to be executed.

D- The actNow method is executed followed by the listenCarefully() method.

Answer:

B

Question 6

Given the code sample:

```
public interface GenericMessenger (
        public void handleMessage(Message msg) { }
)
```

And:

```
@Default
public class MsgHandler implements GenericMessenger (
        public void handleMessage(Message msg) { }
)
```

And:

```
@Alternative
public class SmsHandler implements GenericMessenger (
        public void handleMessage(Message msg) { }
)
```

And the next fragment from beans.xml:

```
<alternatives>
  <class>com.acme.SmsHandler</class>
</alternatives>
```

And this injection point:

@Inject GenericMessenger messageHandler;

Which type would be injected at run time and referenced by the messageHandler variable?

Options:

A- SmsHandler

B- MsgHandler

C- None of the above. An exception would be thrown due to ambiguous bean references.

D- GenericMessenger

Answer:
D

Question 7

Given:

```
1:      @Stateless
2:      public class AlarmManager {
3:              @Resource
4:              private TimerService timerService;
5:              public void createAlarm(Date alarmDate) {
6:                      Alarm myAlarm = new Alarm();
7:                      TimerConfig config = new TimerConfig();
8:                      config.setInfo(myAlarm.getId());
9:
10:             }
11:             @Timeout
12:             public void handleTimeout(Timer myTimer) {
13:                     int alarmId = {int)myTimer.hetInfo();
14:                     showAlarmMessage(alarmId);
15:             }
16:     }
```

You are creating an Alarm management system. When you create a new alarm, you want it to create an alert that is triggered once at the specified time.

Which method should you call on Line 9 to create the timer?

Options:

A- timerService.createCalendarTimer(alarmDate, config);

B- timerService.createSingleActionTimer(alarmDate, config);

C- timerService.createIntervalTimer(alarmDate, -l, config);

D- timerService.createTimer(alarmDate, -l, config);

Answer:

D

Question 8

Question Type: MultipleChoice

Which two statements are true about the relationship between JavaServer Pages (JSP) and servlets? (Choose two.)

Options:

A- A JSP page must extend the HTTPServlet class to behave like a servlet.

B- A JSP page has access to the same information, objects, and a context as a servlet.

C- A JSP page is interpreted by JSPServlet.

D- A JSP page must be written as either an XML file or a JSP file before it is turned into a servlet.

Answer:

A, D

Question 9

Which statement is true about the WS-Security standard?

Options:

A- It is a Java EE standard for protecting SOAP services.

B- It relies on HTTP security mechanism to protect SOAP messages in transmit.

C- It provides message-level security.

D- It defines protocol-specific ways of protecting SOAP messages.

Answer:

C

Question 10

Which annotation allows a request to be executed with another Principal's identity?

Options:

A- It is not possible to execute a request with another Principal's identity.

B- @UseIdentity

C- @RolesAllowed

D- @Runs

Answer:

C

Question 11

Which type allows you to share servlet attributes across your entire web application?

Options:

A- ServletContext

B- HttpSession

C- ServletRequest

D- ServletConfig

Answer:

A