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CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING

**J2EE – Enterprise Java (25 Minutes)**

1. getPathInfo() method of HttpServletRequest Interface

1. Returns extra path info (String following

servlet path but preceding query string).

2. Returns query string

3. Returns servlet path and name

4. None of the above

Correct Answer: 1

2. What are valid methods for HttpSessionListener

interface?

1. sessionRemoved

2. sessionDestroyed

3. sessionReplaced

4. None of the above

Correct Answer: 2

3. A session is created in a servlet and that servlet has

a form, which has a button. On clicking the button a

new window pops up, what happens next?

1. The session is invalidated as soon as a new

window pops up

2. Any attempt to access objects present in

session throws a Exception

3. The session is available to the new window

also

4. None of the above.

Correct Answer: 3

4. The ServletContext interface provides direct access

to the hierarchy of static content documents that are

part of the web application, including HTML, GIF and

JPEG files through following methods

1. getSource

2. getResource

3. getResourceStream

4. getSourceStream

Correct Answer: 2

5. \_\_\_\_\_\_\_ exception indicates to the web container

that the servlet is either temporarily or permanently

unavailable

1. ServletException

2. IllegalArguementException

3. UnavailableException

4. ServletContextException

Correct Answer: 3

6. What is the result of compiling and deploying the

exhibited JSP?

<%

public void jspInit(){

application.setAttribute(“prefix”, “W06”);

}

%>

1. The application-scoped attribute called prefix

is set to the value ‘W06’.

2. The page does nothing and returns a blank

response.

3. A translation error occurs.

4. A compilation error occurs.

Correct Answer: 4

7. What possible effects will the code have in a JSP

page?

Line 1: <% pageContext.setAttribute(“connection”,new

com.mybeans. ConcreteConnection()); %>

Line 2: <jsp:useBean id=”connection”

class=”com.mybeans.ConcreteConnection”

type=”com.mybeans.AbstractConnection”

scope=”page” />

1. The scripting variable called connection is

declared, of type ConcreteConnection and

initialized to the value o the page-scoped

attribute called connection.

2. The scripting variable called connection is

declared, of type AbstractConnection, and

initialized to the value of the page-scoped

attribute called connection.

3. The scripting variable called connection is

declared, a new ConcreteConnection

instantiated and assigned to both the

scripting variable and page-scoped attribute

called connection.

4. A compilation error occurs on line 2.

Correct Answer: 3

8. Which of the following can be inserted into this JSP

page to output the current value to the response?

<% application.setAttribute(“hitcount”,new

Integer(10)); %>

//insert here

1. <%=hitcount %>

2. <%=application.getAttribute(“hitcount”); %>

3. <%=application.hitcount%>

4. <%=pageContext.getservletContext().getAttri

bute(“hitcount”) %>

Correct Answer: 4

9. What is the effect of compiling and executing the

following code?

1. The response is the text’9 8 7 6 5’

2. The response is the text ‘0 1 2 3 4 ‘

3. The response is the text ‘1 2 3 4 5 ‘

4. The response is empty.

Correct Answer: 2

10. How you will make available any Message

Resources Definitions file to the Struts Framework

Environment?

1. <message-resources

parameter=\”MessageResources\” />

2. <message-resource

parameter=\”MessageResources\” />

3. <message-resources=\”MessageResources\”

/>

4. <message**C-**

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resources=\”MessageResourcesparameter\”/

>

Correct Answer: 1

11. Which statement is true regarding struts?

1. Model components correspond to web

pages.

2. Vie components provide the business logic or

data behind a struts program.

3. One of the major contributions of controller

components is that they allow the developer

to remove much of the error handling logic

from the JSP pages in their application.

4. Struts framework does not allow your code to

be highly platform independent.

Correct Answer: 3

12. Controller components in struts are java classes and

must be built using specific rules. They are usually

referred as:

1. Actions

2. Action

3. Action classes

4. Action controller

Correct Answer: 3

13. Which statement is true regarding action class of

struts?

1. An action class can not acts as wrapper

class

2. An action class extends struts

“org.apache.struts.action.Action” class

3. Action class can not transfer data from view

layer to process layer

4. None of the above

Correct Answer: 2

14. Identify the most appropriate definition of

getEJBMetaData()

1. This method allows the clients to obtain extra

information about the EJB.This method

throws a java.rmi.RemoteException.

2. This method is used to get a handle for the

home object. This obtained handle can be

used later to get the handle to the home

object.

3. This method is used to remove an EJB

object. It has two forms. The first orm takes a

Handle object a parameter and the other

takes the primary key as a parameter.

4. This method returns an instance of the

entity’s primary key class. With this method,

you can set bean attributes.

Correct Answer: 1

15. EJB technology uses Java Remote method

Invocation

1. For communication between an enterprise

bean and a client.

2. For communication between two enterprise

beans

3. Both 1 and 2

4. For binding a name with an enterprise bean

Correct Answer: 3

16. An online retailer uses various EJBs to construct their

catalogue and maintain stock counts, retrieving the

item codes, prices and stock levels singularly. They

have recently been delivered a custom-built website,

but the developers forgot to ask what data storage

mechanism they were using and therefore supplied

them only with a set of helper beans and some

database drivers. What combination of patterns

would you use to interface the helper beans with their

EJB application?

1. Model-View-Controller

2. Business Delegate

3. Intercepting Filter

4. Transfer Object

Correct Answer: 2

17. Identify the statement that best describes the

persistence use tag required for a CMP EJB.

1. The persistence use tag defines the options

that determine the persistence type,

transaction behavior, and ejbLoad() and

ejbStore() behavior for entity EJB in

WebLogic Server.

2. The persistence use tag contains text that

identifies an entity EJB persistence type.

3. The persistence use tag defines the full path

of the file that stores data for this persistence

type.

4. The persistence use tag stores the identifier

of the persistence type to be used for this

particular bean.

Correct Answer: 4

18. Which of the following is true about Entity beans and

Hibernate?

a) X in Entity Bean at a time we can interact

with only one database. Where as in

Hibernate we can able to establish the

connections to more than one database.

Only thing we need to write one more

configuration file.X x

b) Entity Beans does not support OOPS

concepts where as Hibernate does.

c) Hibernate supports multi level caching,

where as Entity Beans doesn’t.

1. Only a

2. Only a and b

3. All a, b and c

4. Only c

Correct Answer: 3

19. How does Hibernate distinguish between transient

(i.e. newly instantiated) and detached objects?

Choose correct answer from following?

1. Hibernate uses the “version” property, if there

is one.

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2. If not uses the identifier value. No identifier

value means a new object. This does work

only for Hibernate managed surrogate keys.

Does not work for natural keys and assigned

(i.e. not managed by Hibernate) surrogate

keys)

3. Write your own strategy with

Interceptor.isUnsaved().

4. All of the above

Correct Answer: 4

20. Mapping files (\*.hbm.xml) is used \_\_\_\_\_\_\_\_\_\_.

1. to map persistent objects to a relational

database.

2. to configure the hibernate services

(connection driver class, connection URL)

3. to configure the hibernate services

(connection username, connection password,

dialect etc)

4. All the above

Correct Answer: 1