

The page features three large, light blue, 3D-rendered spheres with a metallic sheen. One is at the top right, a smaller one is below it, and a much larger one is at the bottom right. Thin blue lines extend from the top left towards the spheres, and another line extends from the bottom right towards the largest sphere.

CS506 Web Design & Development

Final Term Solved MCQs with Reference

I am student in MCS (Virtual University of Pakistan). All the MCQs are solved by me. I followed the Moaaz pattern in Writing and Layout this document. Because many students are familiar with his style. I hope this document will help you a lot.

LION

5 – 3 - 2014

FINALTERM EXAMINATION Spring 2013

Question No: 1 (Marks: 1) - Please choose one

_____ allow the websites to store information on a client machine and later retrieve it.

1. Cookies (Page: 297)
2. Sessions
3. Panel
4. Servlet

Question No: 2 (Marks: 1) - Please choose one

It is easier to develop dynamic web contents using regular HTML with the help of _____.

1. Java
2. Applet
3. Servlet
4. JSP (Page: 330)

Question No: 3 (Marks: 1) - Please choose one

A bean class _____ have a zero argument constructor.

1. Can
2. Can't
3. Must (Page: 356)
4. Shouldn't

Question No: 4 (Marks: 1) - Please choose one

A bean class _____ have any public instance variables/attributes (fields).

1. Can
2. Can't
3. Must
4. Shouldn't (Page: 356)

Question No: 5 (Marks: 1) - Please choose one

Using the following value of JavaBean's scope attribute, the bean object is stored in ServletContext.

1. Page
2. Request
3. Session
4. Application (Page: 374)



Question No: 6 (Marks: 1) - Please choose one

The default value of scope attribute in JSP useBean action element is

_____.

1. Page (Page: 368)
2. Request
3. Session
4. Application

Question No: 7 (Marks: 1) - Please choose one

Which information a Tag Library Descriptor (.tld) file specifies?

1. Tag library version / JSP version
2. Tag name / Tag Handler class name
3. Attribute names
4. All of these (Page: 382)

Question No: 8 (Marks: 1) - Please choose one

Web services are Web-based enterprise applications that use open, -----
- standards and transport protocols to exchange data with calling clients.

1. XML-based (Page: 488)
2. HTML-based
3. JSP-based
4. DHTML-based

Question No: 9 (Marks: 1) - Please choose one

_____ is a standard web based application framework.

1. Java
2. Servlet
3. JSP
4. JSF (page: 409)

Question No: 10 (Marks: 1) - Please choose one

The dot operator in Expression Language is typically used for accessing
the -----of an object.

1. Properties (Page: 458)
2. Elements
3. Values
4. Attributes

Question No: 11 (Marks: 1) - Please choose one

Which of the following is the best choice as a controller in MVC Model
Architecture?



1. Java
2. JavaScript
3. Servlet (Page: 412)
4. JSP

Question No: 12 (Marks: 1) - Please choose one

Which of the following package needs to import while communicating with relational database?

1. java.io
2. java.sql (Page: 149)
3. java.awt
4. java.swing

Question No: 13 (Marks: 1) - Please choose one

Unpack directory structure of J2EE web application is _____

1. Known as Web Archive file (WAR)
2. Used during development of web application (Personal Work Experience)
3. Used to deploy web application
4. None of the given options

Question No: 14 (Marks: 1) - Please choose one

Which of the following is FALSE regarding HttpServlet class?

1. It is used for writing protocol dependent servlet.
2. It is used for writing protocol independent servlet. (Page: 263)
3. It is available in javax.servlet.http package.
4. It extends from GenericServlet class.

Question No: 15 (Marks: 1) - Please choose one

Which of the following directory is the top level TOMCAT directory that contains all the application deployed on web server?

1. Webapps (Page: 260)
2. bin
3. lib
4. tags

Question No: 16 (Marks: 1) - Please choose one

Servlet mapping of a servlet is defined in _____ file.

1. JSP
2. HTML
3. web.xml (page: 266)
4. Servlet



Question No: 17 (Marks: 1) - Please choose one

Which of the following method is called only once during the life cycle of servlet?

1. service()
2. post()
3. get()
4. **init()** (Page: 267)

Question No: 18 (Marks: 1) - Please choose one

-----can be used to specify dynamic attribute values for JSTL actions without using full-blown programming language.

1. **Expression Language** (Page: 468)
2. Request Time
3. Both Expression Language and Request Time
4. None of the given options

Question No: 19 (Marks: 1) - Please choose one

In packages, we organize files into different directories according to their _____.

1. Functionality
2. Usability
3. Category
4. **All of the given options** (Use common sense ☺ file can Organized in all these manner)

Question No: 20 (Marks: 1) - Please choose one

Controller centralizes the logic for dispatching requests to the next view based on _____.

1. Input Parameters
2. Application State
3. **All of the given options** (Page>: 411)
4. The Request URL

Question No: 21 (Marks: 1) - Please choose one

Tiers represent the _____ view of application.

1. **Physical** (Page: 435)
2. Logical
3. External
4. None of the given options



Question No: 22 (Marks: 1) - Please choose one
RPC stands for

1. Remote Procedure Client (RPC)
2. Remote Procedure Calls (RPC). (Page: 488)
3. None of the given options
4. Remote Personal Computer (RPC)

Question No: 23 (Marks: 1) - Please choose one
WSDL stands for

1. Web Service Description Language (Page: 490)
2. Web Service Database Language
3. Web Service Data Language
4. None of the given options

Question No: 24 (Marks: 1) - Please choose one
Managed Beans have _____ Model

1. Declarative (Page: 486)
2. Sequential
3. Iterative
4. None of the given options

Question No: 25 (Marks: 1) - Please choose one
What will be the output from the following code?

```
System.out.print("Virtual University.");  
System.out.println("Islamabad.");  
System.out.println("Campus.");
```

1. Virtual University. Islamabad. Campus.
2. Virtual University. Islamabad. Campus.
3. Virtual University. Islamabad. Campus.
4. Virtual University. Islamabad. Campus. (Personal Work Experience)

Question No: 26 (Marks: 1) - Please choose one

If we want to handle mouse Movement or mouse drag. Which of the following interface do we need to implement?

1. MouseMotionListener (Page: 130)
2. MouseListener



3. MouseDragged
4. MouseMoved

Question No: 27 (Marks: 1) - Please choose one

If we call absolute(-4) where will the cursor go:

1. to last row
2. to next-to-last row
3. three steps back-to-last row (Note *)
4. will give error

(Note *); absolute means where the cursor is pointer at the movement. And -4 represent the 4 point back started from 0.

Question No: 28 (Marks: 1) - Please choose one

How many folders are there in Jakarta Tomcat?

1. No folder
2. 3
3. 7
4. 9 (Page: 561 see the directory diagram)

Question No: 29 (Marks: 1) - Please choose one

What is the type of String we use in setContentType(String)?

1. String
2. MIME
3. Char (Page: 310)
4. Enum

Question No: 30 (Marks: 1) - Please choose one

What is not true about cookies?

1. Their size is about 4906.
2. They are maintained as value-pair.
3. Stored at server side. (cookies are store in client's browser).
4. They are small text

Question No: 31 (Marks: 1) - Please choose one

Which of the following is not a Java Bean class?

1. Which have a zero argument constructor.
2. Which have any public instance variables/attributes (fields). (Page: 356)
3. Whose Private values are accessed through setters/getters.
4. Which is serializable.



Question No: 32 (Marks: 1) - Please choose one
JSP file is compiled _____.

1. Whenever there is some modification in the file
2. Whenever it is accessed
3. Whenever browser is restarted
4. Whenever the page is refreshed

Question No: 33 (Marks: 1) - Please choose one
Which of the following is used for comments in JSP?

1. `<%..comments..%>`
2. `<%--comments--%>` (Page: 367)
3. `<%comments%>`
4. `<%!comments%>`

Question No: 34 (Marks: 1) - Please choose one
Which of the following is **NOT** implicit objects?

1. exception
2. session
3. pageContext
4. pageDirective (Page: 343)

Question No: 35 (Marks: 1) - Please choose one
The Collection API has been defined in _____ package.

1. java.io
2. java.util (Page: 328)
3. java.awt
4. java.sql

Question No: 36 (Marks: 1) - Please choose one
All the exceptions and errors in java are inherited from _____ class.

1. Error
2. Exception (Page: 71)
3. Throwable
4. IOException

Question No: 37 (Marks: 1) - Please choose one
Exception handling code is written in _____.

1. Try block
2. catch block (Page: 72)
3. final block
4. throws clause



Question No: 38 (Marks: 1) - Please choose one

Which of the following belongs to a category of un-checked exception?

1. IOException
2. AWTException
3. ClassNotFoundException
4. **Null Pointer exception (Page: 72)**

Question No: 39 (Marks: 1) - Please choose one

JVM put the events generated by event generator in a _____.

1. Stack
2. **Queue (Page: 126)**
3. List
4. Hash table

Question No: 40 (Marks: 1) - Please choose one

Consider the following code segment.

```
class CommonErrors {  
public static void main(String[] args){  
    int num ;  
    System.out.println(num);  
}  
}
```

What type of error can occur in the above code segment?

1. **Local variable not initialized**
2. Cannot resolve symbol
3. Null Pointer exception
4. No Such Method error

Final Term Examination Fall 2008

Question No: 1 (Marks: 1) - Please choose one

From the Following; which we don't include in simple tag while creating JSP custom tags:

1. Start of tag
2. End of tag
3. **Attribute Tag (Page: 379)**
4. None of these



Question No: 2 (Marks: 1) - Please choose one

From the following; which component is/are used in directory Structure of web components?

1. index.htm, JSP, Images etc..
2. **Web-inf, Web.xml** (Page: 261)
3. lib, jar files
4. All of these

Question No: 3 (Marks: 1) - Please choose one

From following; which is the main reason that enters a thread into dead state?

1. It dies a natural death because thread completes its execution.
2. It is killed because someone invoked its stop method.
3. **Both 1 and 2** (Page: 240)
4. None of these.

Question No: 4 (Marks: 1) - Please choose one

From the following; which approach is used in java to create threads,

1. Interface
2. Inheritance
3. **Both Interface and Inheritance** (Page: 228)
4. None of these

Question No: 5 (Marks: 1) - Please choose one

RPC stands for

1. Remote Personal Computer (RPC)
2. **Remote procedure calls (RPC)** (Page: 488)
3. Remote Procedure Client (RPC)
4. None of these

Question No: 6 (Marks: 1) - Please choose one

From the following which one is not a built-in validator?

1. DoubleRangeValidator
2. LongRangeValidator
3. LengthValidator
4. **StringValidator** (Page: 486)

Question No: 7 (Marks: 1) - Please choose one

-----can be used to specify dynamic attribute values for JSTL actions without using full-blown programming language.

1. **EL** (Page: 468)
2. RT



3. Both EL and RT
4. None of these

Question No: 8 (Marks: 1) - Please choose one

The dot operator in Expression Language typically used for accessing the -----of an object.

1. Properties (Page: 458)
2. Elements
3. Values
4. Attributes

Question No: 9 (Marks: 1) - Please choose one

Tiers represent the _____ view of application.

1. Physical (Page: 435)
2. Logical
3. External
4. None of these

Question No: 10 (Marks: 1) - Please choose one

Layers represent the _____ view of application.

1. Physical
2. Logical (Page: 435)
3. External
4. None of these

Question No: 11 (Marks: 1) - Please choose one

Which of the following is appropriate for Page-with-Bean approach?

1. The code becomes a mixture of presentation, business and data access logic.
2. The maintenance of the application becomes a nightmare.
3. A lot of code is also get duplicated.
4. All the business logic goes into one application (Page: 411-12)

Question No: 12 (Marks: 1) - Please choose one vuzs

The _____ represent the state of component.

1. View
2. Model (Page: 409)
3. Controller
4. Component

Question No: 13 (Marks: 1) - Please choose one

The following value of JavaBean's scope attribute has local variable.



1. Pges (Page: 368)
2. Request
3. Session
4. Application

Question No: 14 (Marks: 1) - Please choose one

JSP action elements allow us to work with _____.

1. JavaScript
2. Java Bean (Page: 368)
3. ManagedBeans
4. HTML

Question No: 15 (Marks: 1) - Please choose one

A bean class _____ have any public instance variables/attributes (fields).

1. Can
2. Can't
3. Must
4. Shouldn't (Page: 356)

Question No: 16 (Marks: 1) - Please choose one

Expression is a code fragment which returns _____.

1. Integer
2. String (Page: 334)
3. Depends on the expression
4. Nothing

Question No: 17 (Marks: 1) - Please choose one

JSP file is compiled _____.

1. When ever there is some modification in the file (Note *)
2. Whenever it is accessed
3. Whenever browser is restarted
4. Whenever the page is refreshed

(Note *) JSP works with HTML so when we write a file or modify it after that we save that file. This saving process is also known as jsp file's compilation.

Question No: 18 (Marks: 1) - Please choose one

Servlet session and JSP session have _____ abilities.

1. Different
2. Same (I have tried in code)



3. Critical
4. None of these

Question No: 19 (Marks: 1) - Please choose one

Which of the following is not part of http response?

1. Result Code
2. URI (Page: 243)
3. Header fields
4. Body

Question No: 20 (Marks: 1) - Please choose one

In which file do we define a servlet mapping?

1. Web.xml (Page: 265, 266)
2. Servlet.mappings
3. Servlet.xml
4. None of the given

Question No: 21 (Marks: 1) - Please choose one

Which of the following is a type of Java web application technologies?

1. JSTL
2. JSF
3. JSP
4. All of the given (because all are work on Server)

Question No: 22 (Marks: 1) - Please choose one

Extra information can be appended to URL using _____.

1. Extra path information
2. Added parameters
3. Custom change
4. All of the given (Page: 308)

Question No: 23 (Marks: 1) - Please choose one

Web server is a software which provides services to access _____.

1. Internet
2. Intranet
3. Extranet
4. All of the given (use common sense 😊)

Question No: 24 (Marks: 1) - Please choose one

When defining a method you must include a _____ to declare any exception that might be thrown but is not caught in the method.

1. try block



2. finally block
3. catch block
4. **Throw Clause** (Page: 72)

Question No: 25 (Marks: 1) - Please choose one

In an applet class definition, the-----method takes the place of the constructor.

1. paint();
2. main();
3. **Init();** (Pae: 202)
4. run() ;

Question No: 26 (Marks: 1) - Please choose one

DSN stands for _____.

1. Domain System Name
2. **Data Source Name** (Page: 150)
3. Database System Name
4. Database Simple Name

Question No: 27 (Marks: 1) - Please choose one

From following classes; which one can't be instantiated?

1. Super class
2. **Abstract Class** (Page: 96)
3. Anonymous Class
4. Concrete Class

Question No: 28 (Marks: 1) - Please choose one

Converting bigger data types into smaller one is called -----

1. Up casting
2. **Down Casting** (Page: 59)
3. In Casting
4. Out casting

Question No: 29 (Marks: 1) - Please choose one

Java provide -----

1. Overloading
2. **Overriding**
3. Pointers
4. Multiple Inheritance



Question No: 30 (Marks: 1) - Please choose one

int x = 7/2;
value of x is:

1. (1)
2. (2)
3. (3.5)
4. (3) (In int division we cannot get value in floating numbers)

