CS506-Web Designing & Developing
FINAL TERM MCQS
Prepared by: JUNAID MALIK

AL-JUNAID TECH INSTITUTE

www.vulmshelp.com







Language Courses Training Available

I'm providing paid courses in different languages within 3 Months,Certificate will be awarded after completion.

- HTML
- CSS
- JAVASCRIPT
- BOOTSTRAPS
- JQUERY
- PHP MYSQL
- NODES.JS
- REACT JS

LMS Handling Services

LMS Activities Paid Task

Assignments 95% Results

Quizes 95% Results

GDB 95% Results

For CS619 Project Feel Free To Contact With Me

Ph# 0304-1659294

Email: junaidfazal08@gmail.com

AL-JUNAID TECH INSTITUTE

Question:1

Which of the following problem occurs with lower priority threads?

- Starvation
- Average waiting time
- Race condition
- Process death

Question:2

Web.xml is a ----------

- Servlet file
- Configuration file
- Jar file
- Java file

Question:3

Which of the following variable value will not be set during the installation and configuration of apache tomcat server?

- Java_home
- Classpath
- Catalina_home
- Jdk_home

Question:4

The newly created thread can be moved to "ready state" by calling----------method

- Sleep()
- Start()
- Wait()
- Yield()

Question:5

Which of the following is not a servlet related package?

- Javax.servlet.servlet
- Javax.servlet

AL-JUNAID TECH INSTITUTE
0304-1639294
www.vulmshelp.com

- Ja5.vax.servlet.http
- Javax.servlet.swt

Question:7

http response code 403 indicates that----------

- access to the requested resource was successful
- resource has been destroyed
- access to the requested resource has been denied page 231
- resource can be accessed after one hour

Question:8

When a thread is in "new state" during its lifecycle, it is----------

- In ready queue
- Just created page 226
- Being assigned a processor to run
- Ready to run

Question:9

. In the context of http response code, the values in the 200s signify that----------

- Request was successful p231
- Request was not successful
- Error by server
- Error by client

Question:10

Which of the following is not the stage of servlet lifecycle?

- Wait Page 267
- Service
- Destroy
- Initialize

Question:11

Request and response of servlet are handles at----------stage

- Destroy

0304-1659294 www.vulmshelp.com

- Initialize
- Failure page 258
- Service

Question:12

At servlet service stage ,webserver invokes----------method

- Servletservices()
- Services() page 259
- servicesSvlt()
- svltServices()

Question:13

Choose correct line od code to start a thread 't' in java

- t.start()
- t-start()
- t=start()
- t->start()

Question:14

Http response code 401 indicates that

- Request resource is available
- Request requires http authentication page 231
- Error by server
- Request resource is not available

Question:15

- "ready state" means a thread is in----------
- New state page 226
- Waiting state
- Ready state
- Dead state

Question:16

Choose correct line of code to inherit a worker class from thread class in java

- Public class worker new thread()

0304-1659294
www.vulmshelp.com

- Public class worker inherit thread()
- Public class worker implement thread()
- Public class worker extends thread() page 214

Question:17

In get http request type, attribute-value pair is attached after----------with requested url

- #
- @
- ? page 253
- .

Question:18

In web.xml, root tag----------represents web application

- Webapp
- <web-app> page 255
- <webapp>
- <web.app>

Question:19

Which of the following method allows any other thread of same priority to execute?

- Yield() page 224
- Sleep()
- Wait()
- Notify()

Question:20

In----------state, thread is assigned a processor to run

- Ready
- New
- Running page 226
- Dead

Question:21

0304-1659294
www.vulmshelp.com

Which of the following interface needs to implement while creating threads?

- Windowslistener
- Runnable page 212
- Actionlistener
- Serializable

Question:22

Which of the following range of response code signify error by server

- 300-399
- 400-499
- 200-299
- 500-599 page 232

Question:23

To compile a servlet(e.gmyservlet.java)----------command is used in command prompt

- Java-c
- Java
- Java.c
- Javac page 256

Question:25

The----------method is used when one thread wants to wait for another thread's run method to compile its execution

- Yield()
- Sleep()
- Join() page 227
- Wait()

Question:26

In the context of servlet mapping in web.xml, url is provided in ----------tag

- <url-source>
- <url-destination>
- <url-address>
- <url-pattern> page 255

0304-1659294
www.vulmshelp.com

AL-JUNAID TECH INSTITUTE

Question:27

Choose correct integer value for predefined Thread Priority "Thread.MAX_PRIORITY" in java

- 1
- 5
- 10
- 7

Question:28

Real world business objects are represented in_____

- Data layer
- Presentation
- Business layer
- Application layer

Question:29

Which of the following interface needs to implement while creating threads?

- WindowListener
- **Runnable**
- ActionListener
- Serializable

Question:30

Choose correct line of code to inherit a worker class from Thread class in java.

- public class Worker new Thread ()
- public class Worker inherit Thread ()
- public class Worker implement Thread ()
- public class Worker extends Thread ()

Question:31

When JSP page compiled, it is translated into?

- Applet
- Application
- Servlet
- Web Browser

Question:32

0304 1659294
www.vulmshelp.com

Hidden Forms Fields contain the information that is needed to send to the

- Client
- Server
- Both server and client
- Neither server nor client

Question:33

Which of the following is used to work with javaBean to include pages at request time and
forward request to other sources?

- JSP action element
- JSP declaration
- Scriptlets
- JSP expression

Question:34

To define the error page in JSP we use following tag?

- exception-type
- error-type
- error-page
- exception-page

Question:35

setAttribute(String, Object) associates a ----------with a name.

- Value
- Object
- String
- Both String and Object

Question:36

"application" is a object of

- ServletContext
- HttpSession
- ServletConfig
- Both ServletConfig and HttpSession

Question:37

JSP comments are declared through following tag

- <%@ %>
- <%-- --%>
- <%! %>
- <%= %>

0304-1659294
www.vulmshelp.com

AL-JUNAID TECH INSTITUTE

Question:38

Which of the following is NOT true about JavaBean?

- It should not have any public variable.
- It must be serializable.
- It must not have any zero argument constructor.
- Private instances must be accessed via setters/getters.

Question:39

JSP page is a ----------document that describes how to process a request to create a response.

- Text-based
- xml-based
- Both text-based and xml-based
- Neither xml-based nor Text-based

Question:40

From the following which is not a basic function of web-based application:

- Presentation
- Debugging
- Business Logic
- Data Management

Question:41

Client is referred as a

- Computer user
- Computer that a person is using for communication purpose
- Person which carry out web surfing
- None of these

Question:42

To destroy the session in Servlet we use?

- session.destroy()
- session.invalidate()
- session.end()
- session.Kill()

Question:43

"application" is a object of

- ServletContext
- HttpSession
- ServletConfig
- Both ServletConfig and HttpSession

0304-1659294 www.vulmshelp.com

Question:44

Which of the following is NOT a JSP action element?

- useBean
- setProperty
- getProperty
- javaBean

Question:45

From the following indicators; which is added in user session to know the session time out?

- Sessiontimeoutindicator
- SessionTimeOutIndicator
- SessionTimeoutIndicator
- sessionTimeOutIndicator

Question:46

From following which one is the object of JspWriter used to send output to the client.

- request
- out
- response
- Both request and response

Question:47

Which of the following is NOT true about JavaBean?

- It should not have any public variable.
- It must be serializable.
- It must not have any zero argument constructor.
- Private instances must be accessed via setters/getters.

Question:48

Relationship between JSP and servlets is

- Servlets are built on JSP semantics and all servlets are compiled to JSP pages for runtime usage
- JSP and servlets are unrelated technologies
- Servlets and JSP are competing technologies for handling web requests. Servlets are being superseded by JSP, which is preferred. The two technologies are not useful in combination
- JSPs are built on servlet semantics and all JSPs are compiled to servlets for runtime usage

0304-1659294
www.vulmshelp.com

AL-JUNAID TECH INSTITUTE

Question:49

getId( ) returns the unique ID of

- Current session
- Previous session
- Next session
- Both Next and Previous session

Question:50

Which of the following is used to work with javaBean to include pages at request time and
forward request to other sources?

- JSP action element
- JSP declaration
- Scriptlets
- JSP expression

Question:51

Packages are the way to organize files into different ----------according to their functionality,
usability as well as category they should belong to.

- Directories
- Folders
- Libraries
- Both Folders and Libraries

Question:53

getAttribute(String) extracts---------- stored value from a session object

- Subsequently
- Currently
- Previously
- Both Currently and Subsequently

Question:54

What is the initial contact point for handling a web request in a Page-Centric architecture?

- JSP page
- JavaBean

0304-1659294
www.vulmshelp.com

- servlet
- HTML page

Question:55

From the following methods, which method cannot be overridden in the JSP page

- _jspService()
- jspDestroy()
- jspInit()
- Both jspDestroy()and jspInit()

Question:56

JSP _____ action element is used to obtain a reference to an existing JavaBean object.

- useBean
- setProperty
- getProperty
- None of these

Question:57

In JSP Instance variables and method are declared through following tag

- <%@ %>
- <%-- --%>
- <%! %>
- <%= %> (not sure)

Question:58

All ----------data is kept at the application server.

- Dynamic
- Static
- Both dynamic and static
- Neither Static nor Dynamic

Question:59

A java program that has some design conventions is called_____?

- Java servlet
- JSP
- JSF
- JavaBean

Question:60

A cookie is a piece of ------- that a web server can store on a client's hard disk.

0304-1659294 www.vulmshelp.com

- Text
- Number
- String
- Both Number and String

Question:61

Which of the following Environment variable tells the system about the root directory of TOMCAT?

- ~~JAva_HOME~~
- CATALINA_HOME
- CLASSPATH
- PATH

Question:62

Which of the following statement is correct to assign maximum priority to thread "t2"?

- t2.setPriority(Thread.PRIORITY_MiX);
- t2.setPriority(Thread.PRIORITY_MAX)
- t2.setPriority(Thread.MAX_PRIORITY);
- t2.setPriority(Thread.MIX_PRIORITY);

Question:63

Which of the following object contains information specific to a servlet?

- ServletContext
- ServletConfig
- ServletRequest
- ServletResponse

Question:64

Which of the following range of response code signify errir by server?

- 200-299
- 300-399
- 400-499
- 500-599

Question:65

From the following which ID is transmitted between the clients and the server

- Session ID
- Network ID
- Server ID
- None of these

0304-1639294
www.vulmshelp.com

AL-JUNAID TECH INSTITUTE

Question:66

Which of the following is NOT a web technoloy of Java?

- Servlet
- JSP
- ASP
- JSF

Question:67

Moving session from one server to another in case of server failure is known as

- Session Migration
- Session Tracking
- Session Hijacking
- Both Session Hijacking and Tracking

Question:68

Which one is used to collect data when a user navigates between web pages?

- Session Tracking
- User Tracking
- Session Migration
- Both User Tracking and Session Migration

Question:69

Which of the following method allows any other thread of same priority to execute?

- sleep()
- wait()
- notify()
- yield()

Question:70

From the following which session tracking technique is used when new session is started?

- Cookies
- URL Rewriting
- Both Cookies and URL Rewriting
- None of these

Question:71

Which of the following object is used for sharing resources among different servlets of same application?

0304-1659294
www.vulmshelp.com

- ServletConfig
- ServletRequest
- ServletResponse
- ServletContext

Question:72

Which of the following interface needs to implement while creating threads?

- Serializable
- Runnable
- ActionListener
- WindowListener

Question:73

Session Tracking is done through following techniques?

- Cookies
- Hidden fields
- URL Rewriting
- Cookies, Hidden fields and URL Rewriting

Question:74

Servlets are used to

- Create graphics
- Provide dynamic web contents which extend web servers
- Develop applets
- Create GUI

Question:75

Which of the following is/are not correct about Thread(s)?

- Light weight
- Heavy weight
- Share same memory
- Light weight and share same memory

Question:76

From following which code can be used to create session object in the Servlet:

- HttpSession session = req.getSession(true);
- HttpSession session = req.getSession(false);
- HttpSession session = req.getSession(1);
- HttpSession session = req.setSession(1);

0304-1659294
www.vulmshelp.com

AL-JUNAID TECH INSTITUTE

Question:77

JVM assigns CPU to the threads based on_____

- Thread priorities
- System priorities
- Collective priorities
- Both System and Collective priorities

Question:78

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

- service()
- init()
- destroy()
- start()

Question:79

HTTP is a _____protocol.

- Stateless
- Connectionless
- Connection oriented
- Both Connectionless and Stateless

Question:80

Which of the following is NOT true about HTTP?

- HTTP is a stateless protocol
- HTTP is a request response communication model
- HTTP maintains user session between successive requests.
- HTTP has no built-in state management between successive requests.

Question:81

Why we use RequestDispatcher to forward a request to another resource (servlet, html, jsp), instead of
using a sendRedirect()?

- sendRedirect() is not supported in servlet API.
- RequestDispatcher is not supported in servlet API.
- RequestDispatcher is efficient and allows the server to maintain request status.

- None of these not sure

Question:82

getParameters() method returns an array of strings containing the values for a specified servlet parameter.

- True
- False

Question:83

Which of the following is not the part of http response?

- Result Code
- Header files
- Status code
- URI

Question:84

web.xml is a _____

- java file
- configuration file
- jar file
- servlet file

Question:89

A _____ is a small text file used by servers to store pieces of data on a client for later retrieval.

- session
- cookie
- URL rewriting
- Session object

Question:90

HttpSession stores session information in

- File system of client
- File system of server
- A cookie
- A session object not sure

Question:91

Which of the following is NOT a part of HTTP request?

- Request method
- URI

0304-1659294 www.vulmshelp.com

- Status code
- Header fields

Question:92

Which of the following folder contains configuration file?

- classes
- lib
- bin
- WEB-INF

Question:93

Which of the following problem occurs with lower priority threads?

- Race condition
- Starvation
- Average waiting time
- Process death

Question:94

Which of the following approch is used to create threads in java?

- inheritance
- interface
- **Both inheritance and interface**
- None of these

Question:95

Which of the following method needs to override while handling threads in java?

- init()
- start()
- **run()**
- runnable()

Question:96

From the following packages which one is used to write the servlets?

- **javax**
- java
- java.util

0304-1659294
www.vulmshelp.com

- java.lang

Question:97

Servlets are used to

- Create graphics
- **Provide dynamic web contents which extend web servers**
- Develop applets
- Create GUI

Question:98

getrequest() method gets information from a client and postrequest() method posts data to a client.

- **False**
- True

Question:99

JSP scrippiting elements is/are

- Declarations
- Scriptlets
- expressions
- All of these

Question:100

From following methods; which method is not a part of the JSP life cycle?

- jspInit()
- **jspService()**
- _jspService()
- jspDestroy()

Question:101

From the following which one is not a JSP directive?

- page
- include
- taglib
- out

Question:102

To provide global control of JSP we use following tag

<% %> right @ Answer)

0304-1659294 www.vulmshelp.com

<%-- -%>
<%! %>
<%= %>

Question:103

javax.servlet.jsp.PageContext, is used ---------point of access to many of the page to give a attributes.

- **Single**
- Multiple

Question:104

In JSP Instance variables and method are declared through following tag

- <%@ %>
- <%-- --%>
- **<%! %>**
- <%= %>

Question:105

Which of the following approach is also called page-with-bean approach.

- Page-Centric approach
- **MVC Model1**
- MVC Model2
- MVC Model3

Question: 106

A separate controller is a part of which of the following approach?

- Page-Centric approach
- MVC Model1
- **MVC Model2**
- MVC Model3

Question:107

From following tags, which one is the Special JSP tag?

- **<jsp: ..... />**
- <%! %>

0304-1659294 www.vulmshelp.com

- <%= %>
- <%@ %>

Question:108

JSTL stands for _____.

- **JavaServer Pages Standard Tag Library**
- JavaSrvlet Pages Standard Tag Library
- Java Pages Standard Tag Library

Question:109

JSP page is a ----------document that describes how to process a request to create a response.

- **Text**
- XML
- Both
- None

Question:110

A java program that has some design conventions is called_____

- java sevlet
- jsp
- jsf
- **javabean**

Question:111

Which of the following is not included in simple tag while creating JSP custom tags?

- Start of tag
- End of tag
- **Attributes**
- None of these

Question:112

Which of the following represent state of the components in MVC?

- **Model**
- View
- Control

0304-1659294
www.vulmshelp.com

- Both Model and View

Question:113

A user defined component that is used to perform certain action is called_____.

- Built-in Tags
- JSP action element
- **Custom tag not sure**
- jsp:useBean

Question:114

A Tier represents the _____ view of application.

- **Physical**
- Logical
- Biological
- Local

Question:115

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

- Java
- Servlet
- JavaScript
- JSP

Question:116

. The HTTP response values in the range _____ specify that the request was successful.

- 100-199
- **200-299**
- 300-399
- 400-499

Question:117

With the help of _____ we can better organize our files into different directories.

- Classes
- Interfaces
- Session

0304-1659294 www.vulmshelp.com

- **Packages**

Question:119

. Entire JSP page gets translated into a servlet _____.

- **Once Page 323**
- Every time when it is accessed
- Every time when the page is refreshed
- Every time when the browser is restarted

Question:120

A bean class _____ have a zero argument constructor.

- Can
- Can't
- **Must Page 356**
- Shouldn't

Question:121

. Layers represent the _____ view of application.

- Physical
- **Logical (pg 435)**
- External
- None of these

Question:122

High coupling makes classes difficult or impossible to reuse because _____.

- They are independent of other classes
- **They depend on so many other classes**
- They have limited functionality
- They are not properly implemented

0304-1659294
www.vulmshelp.com

Question:123

_____ is a standard web based application framework.

- Java
- Servlet
- JSP

- **JSF**

Question:125

Which of the following is a correct order for Bean scope in JSP page from most visible to least visible?

- application, session, request, page
- **page, request, session, application**
- session, page, request, application
- application, session, page, request

Question:126

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

- an object.
- **Properties Page 458**
- Elements
- Values
- Attributes

Question:127

Initialization parameters of a servlet are defined in _____ file.

- html
- JSP
- **web.xml (pg 275)**
- servlet

Question:128

On every request from the client, the server creates a new _____ and calls the _____
method.

- **thread, service()**
- thread, init()
- process, service()
- process, init()

Question:129

. By _____, the original request can be forwarded to the next servlet.

- **request dispatching**
- response redirection

0304-1659294
www.vulmshelp.com

- both request dispatching and response redirection None of the given options

Question:130

Which of the following is NOT appropriate for Page-centric approach?

- The maintenance of the application becomes a nightmare.
- A lot of code is also get duplicated**.**
- **Scaling of such kind of application is easy. (pg 397)**
- The code becomes a mixture of presentation, business and data access logic.

Question:131

Which of the following 'statement' object is used for executing precompiled SQL statements?

- Statement
- **PreparedStatement Page 147**
- CallableStatement
- None of the given options

Question:132

RPC stands for

- Remote Personal Computer (RPC)
- Remote Procedure Client
- Remote Procedure Calls (RPC).
- None of the given options

Question:133

. UDDI stands for

- **Universal Description, Discovery & Integration (UDDI) (pg490)**
- Universal Data, Discovery & Integration (UDDI)
- Universal Data, Database & Integration (UDDI)
- None of the given options

Question:134

Managed Beans have _____ Model

- Declarative

- Sequential
- Iterative
- **None of the given options (pg465) Managed beans represent the data model**

Question:135

DataBaseMetaData object can be derived from _____ object.

- ResultSet
- **Connection Page 165**
- Statement
- ResultSetMetaData

Question:136

DSN stands for _____.

- Domain System Name
- **Data Source Name Page 166**
- Database System Name
- Database Simple Name

Question:137

From following functions which function is invoked first?

- paint()
- paintComponet( )
- paintBorder( )
- paintChildern( )

Question:138

There is/are _____ form(s) of response redirection.

- 1
- **2 Page 270**
- 3
- 4

Question:140

Expression is a code fragment which returns _____.

- Integer
- **String Page 326**
- Depends on the expression
- Nothing

Question:141

0304-1659294
www.vulmshelp.com

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

- an object.
- **Properties Page 458**
- Elements
- Values
- Attributes

Question:142

The **sleep(int time)** method causes the currently executing thread to wait for the time specified in ----------

- **Milliseconds page 221**
- Nenoseconds
- Seconds
- Minutes

Question:143

Java was developed in……

- 1990
- 1994
- 1995
- 1996

Question:144

CREATE TABLE, DROP TABLE, and ALTER TABLE etc are ----------.

- DML statements
- **DDL statements Page 144**
- DCL statements
- None of given options

Question:145

Extra sheet can be appended to URL using _____

- Extra path information
- Added Parameters
- Custom Change
- All of the given options

Question:146

Initialization _____ of web application are also called _____

- Parameters, Context Attributes not sure

0304-1659294 www.vulmshelp.com

- Context Attributes, Parameters
- Parameters, Variables
- Context Attributes, Variables

Question:147

J2EE is developed for which of the following application

- Very large applications
- GUI based applications
- Mobile devices
- Network based applications

Question:148

ODBC stands for _____

- Open database communication
- Open database connection
- Open database connectivity
- Open database Commission

Question:149

Which of the following command is used to compile Java code?

- java filename
- javac filename.java
- javac filename
- java filename.java

Question:152

What if the main method is declared as private?

- The program does not compile
- The program compiles but does not run
- The program compiles and runs properly
- The program throws an exception on compile time

Question:153

Java program code is compiled into form called

- Machine code
- native Code
- Byte Code
- Source Code

0301 1659294 www.vulmshelp.com

AL-JUNAID TECH INSTITUTE

Question:154

A top level class without any modifier is accessible to

- any class
- any class within the same package
- any class within the same file
- any subclass of this class

Question:155

Overloading is _____ whereas overriding is _____

- Run time binding, compile time binding
- Late binding, compile time binding
- Compile time binding, run time binding
- Run time binding, late time binding

Question:156

Static methods only access ___

- instance variable
- instance method
- static variables and methods
- both static and instance members

Question:157

Which of the following is modifier is provided by default if no access is written explicitly?

- public
- Private
- Protected
- Default

Question:158

A top level class may have only the following access modifier.

- Package
- Private
- Protected
- Public

Question:159

Which of the following is used for inheritance in java?

- implements
- extends

0304-1659294
www.vulmshelp.com

- : (colon)
- inherit

Question:160

A collection can store .....

- Homogenous objects
- Heterogeneous objects
- Objects as well as primitive values
- At most 100 objects

Question:161

Window frame and dialog use _____ as their default layout.

- Border layout
- Flow layout
- GridBag layout
- Grid layout

Question:162

There are _____ types of exceptions in Java

- 2
- 3
- 4
- 5

Question:163

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

- Null Pointer exception
- IOException
- Array index out of bounds
- NumberFormatException

Question:164

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

- IOException
- Null Pointer exception
- AWTException
- ClassNotFoundException

Question:165

0304-1659294
www.vulmshelp.com

AL-JUNAID TECH INSTITUTE

All the exceptions and errors in java are inherited from _____ class.

- Exception
- Throwable
- Error
- IOException

Question:166

Exceptions must be handled while handling files otherwise it may lead to _____

- Logical error
- Syntax error
- Run-time error
- No error

Question:167

Which of the following package needs to be import while handling files?

- java.util
- java.io
- java.awt
- javax.swing

Question:168

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

- try block
- finally block
- catch block
- throws clause

Question:169

Which of the following syntax is used to attach an input stream to console ?

- FileReader fr = new FileReader(' input.txt ') ;
- FileReader fr = new FileReader(FileDescriptor.in);
- FileReader fr = new FileReader(FileDescriptor);
- FileReader fr = new FileReader(console);

Question:170

The classes which contain the word _____ are byte oriented streams.

- Reader
- Writer
- Stream

0304-1659294

- Byte

Question:171

Which of the following stream read/write data in the form of bytes?

- FileReader
- FileWriter
- PrintWriter
- FileInputStream

Question:172

Which of the following is called ' pure abstract class ' ?

- Concrete class
- Wrapper class
- Interface
- Abstract class with no abstract method

Question:173

Which of the following is true about abstract class?

- An abstract class must have all methods declared as abstract methods.
- A class must have at least one abstract method to be an abstract class.
- A class without any abstract method can be declared as abstract class.
- An instance of abstract class can be created.

Question:174

Which of the following stream is a filter stream?

- FileWriter
- FileReader
- BufferedReader
- All of given options

Question:175

An instance of abstract class cannot be created.

- TRUE
- FALSE

Question:176

Anabstractclass ----------instantiated.

- Cannot be
- Can be
- Must
- None of these

0304-1659294
www.vulmshelp.com

AL-JUNAID TECH INSTITUTE

Question:177

The relationship between class and interface is called _____

- ' Is a ' relationship
- ' Has a ' relationship
- ' Responds to ' relationship

Question:178

BorderLayout is the default layout manager for a JFrame content pane

- TRUE
- FALSE

Question:179

Which of the following is a general purpose container?

- JFrame
- Dialog
- JPanel
- JApplet

Question:180

JPanel and Applet use _____ as their default layout.

- Flow layout
- Border layout
- Grid layout
- GridBag layout

Question:181

Which of the following is true about AWT and SWING components?

- AWT components creates a process whereas SWING component creates a thread.
- AWT components creates a thread whereas SWING component creates a process.
- Both AWT and SWING component creates a process.
- Both AWT and SWING component creates a thread.

Question:182

Which of the following function will be used to register event handler with events generator (button)?

- addAction()
- addActionListener()
- addListener()
- registerListener()

AL-JUNAID TECH INSTITUTE

Question:183

Event source can have --------- listeners registered on it.

- Single
- Double
- Triple
- Multiple

Question:184

If a class needs to handle events generated by button then which of the following interface a class needs to implement?

- ComponentListener
- KeyListener
- MouseListener
- ActionListener

Question:185

Which of the following function is declared in MouseMotionListener interface?

- public void mouseDragged (MouseEvent me);
- public void mousePressed (MouseEvent me);
- public void mouseClicked (MouseEvent me);
- public void mouseEntered (MouseEvent me);

Question:186

WindowListener interface contains _____ methods.

- Four
- Six
- Seven
- Eight

Question:187

Mouse events can be trapped for _____ GUI component.

- JPanel
- JFrame
- JButton
- All of given

Question:188

Adapter classes have been defined for listener interfaces except _____ interface.

- MouseListener

0304-1659294
www.vulmshelp.com

- KeyListener
- WindowListener
- ActionListener

Question:189

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

- java.io
- java.sql
- javax.swing
- java.awt

Question:190

Which of the following method is used to execute SELECT SQL statements?

- executeUpdate(sql);
- ExecuteUpdate(sql);
- executeQuery(sql);
- ExecuteQuery(sql);

Question:191

Which of the following method is used to execute INSERT, UPDATE and Delete SQL statements?

- executeQuery(sql);
- ExecuteQuery(sql);
- executeUpdate(sql);
- ExecuteUpdate(sql);

Question:192

Which of the following statement object is used to execute stored procedures?

- Statement
- PreparedStatement
- CallableStatement
- None of given options

Question:193

HahMap takes key as a/an _____

- Object
- Array
- Primitive value
- Function

0304-1659294
www.vulmshelp.com

AL-JUNAID TECH INSTITUTE

Question:194

A .....defines the way and method of communication between two parties

- Compiler
- Protocol
- Tool
- Technique

Question:195

To create DataBaseMetaData object we write following line of code

- ResultSetMetaData rsmd = rs.getMetaData();
- DataBaseMetaData db = con.getMeataData();
- ResultSetMetaData rsmd = rs.setMetaData();
- DataBaseMetaData db = con.setMeataData();

Question:196

Which of the following are passed as an argument to the paint () method:

- A Canvas object-
- **A Graphics object-**
- An Image object-
- A paint object-

Question:197

The code below draws a line. What color is the line?g.setColor(Color.red.green.yellow.red);g.drawLine(0, 0, 100,100);

- Red
- Green
- Yellow
- Black

Question:198

Which of the following methods are invoked by the AWT to support paint and repaint operations?

- paint( )
- repaint( )
- draw( )
- redraw( )

Question:199

0304-1659294
www.vulmshelp.com

If a super class method is protected then overriding method _____

- must be protected
- must be public
- must be private
- may be either protected or public

Question:200

Socket is a ----------communication channel between hosts.

- Uni-directional
- Bi-directional
- Multi-directional
- None of these

Question:201

You can ---------to a network using sockets.

- Read
- Write
- Read/Write
- None of these

Question:202

A serializable class must implement the method(s).....

- readObject and writeObject
- Either readObject or writeObject, or both, depending upon the desired behavior
- No need to implement any method:
- None of the given option

Question:203

Aside from the Scanner class, which of the following class/es can be used for text file file input

- ObjectInputStream
- BufferedReader
- StringTokenizer
- None of these

Question:204

In which of the following application we do not need to maintain sessions

- **Cause registering web application**
- Web based shopping carts
- Web reputation systems

0304-1659294 www.vulmshelp.com

- Windows shopping systems

Question:205

JSP _____ action element is used to obtain a reference to an existing JavaBean object.

Select correct option:

- useBean
- setProperty
- getProperty
- None of these

Question:206

HTTP response code 401 indicates that _____.

- requested resource is available
- **request requires HTTP authentication page 235**
- error by server
- requested resource is not available

Question:207

Choose correct line of code to start a thread 't' in Java.

- **t.start() page 213**
- t-start()
- t=start()
- t->start()

Question:208

At servlet service stage, webserver invokes _____ method.

- servletServices()
- **services() page 270**
- serviceSvlt()
- svltServices()

Question:209

Request and response of servlet are handled at _____ stage.

- destroy
- initialize
- failure

0304-1659294 www.vulmshelp.com

- **service Page267**

Question:210

Which of the following problem occurs with lower priority threads?

- Process death
- **Starvation page 218**
- Race condition
- Average waiting time

Question:211

Thread sleep() method causes the currently executing thread to wait for the time in _____.

- Nanoseconds
- **Milliseconds page 223**
- Microseconds
- Zeptoseconds

Question:212

In the context of Java Thread. Sleep()method throws _____ exception.

i. Index Out of bound

b. Interrupted page 223

c. File not found

d. Input Output

Question :213

Inside <servlet-mapping> tag. first write _____ of the servlet using _____ tag in web .xml.

- url, <servlet-url>
- **name, <servlet-name> page 265**
  - url, <url-pattern>
  - class, <servlet-class>

Question:214

Which of the following method needs to override while handling threads in java?

- start()
- runnable()

0304-1659294 www.vulmshelp.com

- init()
- **run() page 212**

Question:215

Which of the following variable value will not be set during the installation and configuration of Apache Tomcat Server?

- CLASSPATH
- CATALINA_HOME
- **JDK_HOME page 247**
- JAVA_HOME

Question:216

HTTP response code 100s indicates _____.

- to continue without request
- do not continue with any request
- to continue with complete request
- **to continue with partial request Page 234**

Question:217

Which of the following is NOT web technology of Java?

- **ASP page 244**
- JSF
- JSP
- Servlet

Question:218

When a thread is in "new state" during its life cycle, it is _____.

- **just created page 228**
  - in ready queue
  - ready to run
  - being assigned a preprocessor to run

Question:219

Choose the correct statement by which thread 't' causes currently executing thread to block until thread 't' finishes its run() method:

- t.sleep()

0304-1659294 www.vulmshelp.com

- t.start()
  - **t.join() pg#229**
  - t.wait()

Question:220

If "MyServelet"is placed in "myapp" folder, then you can access "MyServlet" by writing

_____:

- http://localhost8080/myapp/MyServlet
- http://localhost8080/myapp/servelets/MyServlet
- http://localhost8080/webapps/myapp/servlets/MyServlet
- **http://localhost8080/webapps/myapp/MyServlet pg#265**

Question:221

In web.xml , root to _____ represents web application:

- webapp
- **<web-app> pg#264**
- <web app>
- <web.app>

Question:222

HTTP response code 404 indicates that _____:

- **requested resource is not available pg#235**
- request requires HTTP authentication
- requested resource is available
- error by server

Question:223

In the the values in the 200s signify that _____:

- **request was successful pg#234**
- request was not successful
- error by server
- error by client

Question:224

Servlet mapping is defined in _____:

- JSP

- html
- servlet
  - **web.xml page 265**

Question:225:

Which of the following is not a servlet related package?

- javax.servlet.Servlet
- javax.servlet
- javax.servlet.http
- **javax.servlet.Svit pg#260**

Question:226

The newly created thread can be moved to "Ready State" by calling _____ method:

- sleep()
  - **start()page 228**
- wait()
- yield()

Question:227

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

- **init() page 184**
- service()
- destroy()
- start()

Question:228

At servlet initialization stage, webserver invokes _____ method.

- ServletInit()
- **init() page 267**
- initServelt()
- initialize()

Question:229

A servlet _____ during its initialize stage.

- unloads resource/s
- accept request/s
- **Loads resources/s page 267**

AL-JUNAID TECH INSTITUTE 0304 1659294 www.vulmshelp.com

- forwards request/s

Question:230

Which of the following is NOT a part of HTTP request?

- Header fields
- URI
- Request method
- **Status code page 232**

Question:231

Which of the following is NOT true about HTTP?

- HTTP is a request response communication model
- HTTP has no built-in state management between successive **requests**
- **HTTP maintains user session between successive requests 231**
- HTTP is a stateless protocol

Question:232

If attribute is "name" and value is "ahmad" then the GET request will be_____.

- **http://www.gmail.com/register?name=ahmad page 262,263**
  - http://www.gmail.com/register#name=ahmad
  - http://www.gmail.com/register&name=ahmad
  - http://www.gmail.com/register?name.ahmad

Question:233

Which of the following approach can use to create thread in java?

- Abstraction
- **Inheritance page 212**
- Composition
- Polymorphism

Question:234

To compile a servlet ()e.g. MyServlet.java) _____ command is used in command prompt.

- java-c
- java c
- java

0304-1639294 www.vulmshelp.com

- **javac Page 251**

Question:235

JAVA_HOME indicates the_____ of JDK.

- Bin folder
- Webapps folder
- Web page
- **Root directory page 248**

Question:236

Servlets are java's technology answer to_____ programming.

- **CGI pg#245**
- Perl
- C++
- C

Question:237

In the context of HTTP Response Code, the values in the 400s signify that _____:

- **Error by client pg#235**
- Resource is available
- Resource is not available
- Error by server

Question:238

CGI(Common Gateway Interface) was widely used for generating_____.

- **Dynamic web content pg#245**
- Mobile application
- Desktop application
- Static web content

Question:239

The webapps folder is the _____ Tomcat directory that contains all the web applications deployed on the server.

- Least-level
- **Top-level pg#258**
- Mid-level
- Bottom-level

Question:240

0304-1659294 www.vulmshelp.com

_____ is NOT the type of HTTP request.

- Delete
  - **Update Page 262**
  - Post
  - Get

Question:241

Which of the following range of response codes indicates that the request was successfull?

- 300-399
- 100-199
- 400-499
- **200-299 pg#234**

Question:242

Real world business objects are represented in_____.

- **Data layer pg#243**
- Presentation
- Business layer
- Application layer

Question:243

Choose correct integer value for predefined Thread Priority "Thread.MAX_PRIORITY" in java.

- 1
- 5
- **10 pg#216**
- 7

Question:244

Which of the following architecture introduces a controller?

- MVC Model 3
- **MVC Model 2 (Page 404)**
- MVC Model 1
- MVC Model 4

Question:244

0304-1659294
www.vulmshelp.com

A single page is doing everything that is really a best approach while making of webapplication.

- True
- **False (Page 353)**

Question:245

There is no upper limit on the number of layers for an application.

- **True (Page 427)**
- False

Question:246

Which of the following Java Bean's scope attribute has local value?

- **Page (Page 367)**
- Session
- Application
- Request

Question:247

By means of Page Directive, a JSP can be given the responsibility of an error page.

- **True (Page 389)**
- False

Question:248

A separate controller is a part of which of the following approach?

- **MVC Model 2 (Page 404)**
- MVC Model 3
- Page-Centric approach
- MVC Model 1

Question:248

Which of the following Java/J2EE technology can be used for client presentation layer?

- **Applets (Page 430)**
- JavaBean
- Java Server Faces(JSF)
- Java Server Pages(JSP)

Question:249

In layers architecture each layer CANNOT be further break down into several layers.

- True
- **False (Page 427)**

Question:250

JSP forward action element is used to forward request to another resource.

- **True (Page 373)**
- False

Question:251

JSP forward action element is used to include files at request time.

- True
- **False (Page 373)**

Question:252

Which of the following is true about simple tag in JSP?

- **All of the given options (Page 377)**
- It has no body is specified in tag
- It has start and end of tag
- It has no attribute

Question:253

In layered architecture, the separation of concerns maximizes the impact of addingservices/features to an application.

- True
- **False (Page 427)**

AL-JUNAID TECH INSTITUTE 03046159294 www.vulmshelp.com

Question:254

Which of the following layers provides a user interface to the client/user to interact with theapplication?

- **resentation layer (Page 428)**
- Data layer
- Data link layer
- Business layer

Question:255

In MVC Model 1 architecture, the JSP page alone is responsible for processing the incomingrequest and replying back to the client.

- **True (Page 403)**
- False

Question:256

A Layer represents the_____view of an application.

- Local
- Physical
- Biological
- **Logical (Page 427)**

Question:257

Which of the following Java /J2EE technology can be used for Business Layer?

- **JavaBeans (Page 430)**
- JSP
- Connectors

Question:258

ServletsWhich of the following information is required by the JSP containers?

- Tag name

0304-1659294 www.vulmshelp.com

- JSP version
- Tag Library Version
- **All of the given options (Page 379)**

Question:259

Enterprise JavaBeans (EJB) interacts with the Database or information system to store andretrieve data.

- False
- **True (Page 431)**

Question:260

In context of JSP custom tag, a simple tag also has a body.

- True
- **False (Page 376)**

Question:260

Which of the following is true about tag with attributes in JSP?

- **All of the given options (Page 377)**
- It has attribute within tag
- It has no body enclosed
- It has start and end of tag

Question:261

Is it true that JavaBean class CANNOT be easily reused and composed together in anapplication?

- Yes
- **No (Page 353)**

Question:262

The correct way to declare a page as an error page in JSP is:

- <%@page … SetErrorPage = “true”%>
- <%@page … errorPage = “true”%>
- **<%@page … isErrorPage = “true”%> (Page 389)**
- <%@page … getErrorPage = “true”%>

0304-1659294 www.vulmshelp.com

AL-JUNAID TECH INSTITUTE

Question:263

The correct way to define a JSP include action element is:

- **<jsp:include page = "one.jsp"/> (Page 373)**
- <jsp:include page @ "one.jsp"/>
- <jsp:include page # "one.jsp"/>
- <jsp:include page $ "one.jsp"/>

Question:263

A java class that follows certain design conventions is called ___

- ServletBean
- SwingBean
- **JavaBean (Page 353)**
- JSPBean

Question:264

Which of the given options is NOT true for Page-centric approach?

- The code becomes a mixture of presentation, business and data access logic
- A lot of code is also get duplicated
- **Scaling of such kind of application is easy (Page 404)**
- The maintenance of the application becomes a nightmare

Question:265

Is it true that a JavaBean class can have any public instance variables/attributes?

- **No (Page 354)**
- Yes

Question:266

With custom tags, it is possible for web page designers to use complex functionality withoutknowing any Java.

- **True (Page 376)**
- False

AL-JUNAID TECH INSTITUTE
0304-1659294
www.vulmshelp.com

AL-JUNAID TECH INSTITUTE

Question:267

Which of the following approach is also called page-with-bean approach.

- **MVC Model 1 (Page 404)**
- MVC Model 2
- Page-centric approach
- MVC Model 3

Question:268

A JavaBean class must have a zero argument constructor.

- False
- **True (Page 354)**

Question:269

In a JavaBean class, private values should be accessed through setters/getters.

- False0
- **True (Page 354**

Question:270

In page-with-Bean (MVC Model1) approach all the business logic goes into …….

- JavaScript
- **JavaBeans (Page 404)**
- Servlets
- JSPs

Question:271

Tag Library Descriptor (.tld) file is a simple text base document.

- **False (Page 378)**
- True

Question:272

AL-JUNAID TECH INSTITUTE 0304-1659294 www.vulmshelp.com

In layered architecture the separation of concerns minimizes the impact of addingservices/features to an application

- **True (Page 427)**
- False

Question:273

Is it true that Enterprise application need to support multiple types of users with multipletypes of interfaces ?

- No
- **Yes (Page 401)**

Question:274

An error JSP is called by the web server when an uncaught exception gets occurred.

- **True (Page 389)**
- False

Question:275

In layered structure each layer cannot be further breakdown into further layers .

- **False (Page 427)**
- True

0304-1659294
www.vulmshelp.com

Question:276

In context of JSP custom tag, is it true that a “Tag with body” must have one or moreattribute.

- True
- **False (Page 377)**

Question:277

Which of the following choices is the best choice as a controller in MVC ModelArchitecture?

- JavaScript
- Java
- **Servlet (Page 421)**
- JSP

Question:278

Which of the following tag/s can be constructed in JSP?

- Tag with Attributes
- Simple Tag

All of the given options (Page 376)

- Tag with Body

Question:279

In context of JSP custom tags, is it true that a "Tag with Attributes" does NOT have a body?

- False
- **True (Page 377)**

Question:280

Which of the following is not true regarding layers?

- Easier reuse of code
- Easier maintenance
- **Provide high coupling (Page 427)**
- Provide high cohesion

Question:281

MVC model1 is considered desirable for complex applications.

- Yes
- No

AL-JUNAID TECH INSTITUTE 0304 1659294 www.vulmshelp.com