

Question **1**

Answer saved

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What Java API is used in your code to access data that is stored in RDBMS?

- ☐ a. java.sql.\* and java.query.\*
- ☐ b. java.query.\*
- ☒ c. java.sql.\* and javax.sql.\*
- ☐ d. javax.query.\*

[Clear my choice](#)

Question **2**

Answer saved

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Assume that path is valid, consider the code in two servlets:

**firstServlet.java**

```
protected void processRequest(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {  
    request.setAttribute("us","Testing");  
    request.getRequestDispatcher("secondServlet").forward(request,response);  
}
```

...

**secondServlet.java**

```
protected void processRequest(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {  
    try (PrintWriter out = response.getWriter()) {  
        String data=request.getParameter("us");  
        out.println(data);  
    }  
}
```

What is the result when the first Servlet runs?

- ☐ a. display "" in the browser.
- ☐ b. None of the others
- ☒ c. display "null" in the browser.
- ☐ d. display "Testing" in the browser.

[Clear my choice](#)

Question **3**

Answer saved

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What does the prefix in TLD file means?

- ☐ a. None of the others
- ☐ b. It is an address to access tag class
- ☐ c. It is a name that the users must be used and fill when they import taglib on JSP Page
- ☒ d. It is an alias name to avoid the conflict name of tag in this tld to others

[Clear my choice](#)

Question **4**

Answer saved

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Which structure of Status Line in Response Message is?

- ☐ a. [HTTP Version] [Response Code] [Http Method]
- ☐ b. [HTTP Method] [Protocol Version] [Requested Resource forming URI]
- ☒ c. [HTTP Version] [Response Code] [Status]
- ☐ d. None of the others

[Clear my choice](#)

Question **5**

Answer saved

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What different points between Java Bean and Java class?

- ☐ a. Java Bean class must have a public no-argument constructor
- ☐ b. Java Bean class must be implemented from Serializable
- ☐ c. Using `<jsp:useBean />` to locate or instantiate the Bean.
- ☒ d. All of the others

[Clear my choice](#)

Question **6**

Answer saved

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What memory scope is used to store data that exists until the session is closed, session is time out, or server is crashed?

- ☒ a. Session scope
- ☐ b. Context scope
- ☐ c. Request scope
- ☐ d. page scope

[Clear my choice](#)

Question **7**

Answer saved

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What statement is used to display data from the session scope in the page(.jsp)?

- ☐ a. `${sessionScope.name}`
- ☒ b. All of the others
- ☐ c. `<%= session.getAttribute(name) %>`
- ☐ d. `${name}`

[Clear my choice](#)

Question **8**

Answer saved

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What way is used to transfer data from the resource ( jsp or servlet) to the other resource?

- ☐ a. request.dispatcher(url).send();
- ☒ b. request.getRequestDispatcher(url).forward(request,response);
- ☐ c. response.sendRedirect(url);
- ☐ d. request.sendRedirect(url);

[Clear my choice](#)

Question 9

Answer saved

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Assume that the web app is deployed and named "MyAPP", use the server name "localhost", port: 8080.

Consider the code in the filter

...

```
public void doFilter(ServletRequest request, ServletResponse response, FilterChain chain) throws ServletException, IOException {  
    HttpServletRequest req = (HttpServletRequest)request;  
    System.out.println("tried to access " + req.getRequestURL() + " on " + new Date() + ".");  
    chain.doFilter(request, response);  
}
```

and this filter is applied to the servlet1

What is the output when client send a request to the servlet1 on "Tue Mar 08 15:26:33 ICT 2022."?

- ☐ a. display the text: tried to access /servlet1 on Tue Mar 08 15:26:33 ICT 2022.
- ☐ b. display the text: tried to access /MyApp/servlet1 on Tue Mar 08 15:26:33 ICT 2022.
- ☐ c. display the text: tried to access http://localhost:8080/MyApp on Tue Mar 08 15:26:33 ICT 2022.
- ☒ d. display the text: tried to access http://localhost:8080/MyApp/servlet1 on Tue Mar 08 15:26:33 ICT 2022.

Clear my choice

Question **10**

Answer saved

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What is data-source?

- ☐ a. Logical name binds to context path that is in the context.xml file and container read it at deploy time
- ☐ b. None of the others
- ☐ c. Logical name is get from database's name
- ☒ d. Logical name binds to database server address with its authentication and connection drivers

[Clear my choice](#)





Question **11**

Answer saved

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Choose the right option about "servlet" in java

- ☒ a. All of the others
- ☐ b. Servlets are Java classes that dynamically process HTTP requests and construct responses
- ☐ c. There is only a single instance of Servlet created on the Web server.
- ☐ d. The Web server creates multiple threads for the same Servlet instance to service multiple client's requests

[Clear my choice](#)

Question **12**

Answer saved

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Consider the code in the file web.xml:

```
...  
<context-param>  
  <param-name>count</param-name>  
  <param-value>5</param-value>  
</context-param>
```

and in the servlet "testServlet.java"

```
public class testServlet extends HttpServlet{
```

```
    ....  
    protected void processRequest(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {  
        //MISSING  
    }  
}
```

Choose the right option to get initial context parameter at [MISSING]

- ☐ a. ServletConfig scf=getServletConfig();  
int result2=scf.getInitParameter("count");
- ☒ b. ServletContext sc=getServletContext();  
String result=sc.getInitParameter("count");
- ☐ c. ServletConfig scf=getServletConfig();  
String result2=scf.getInitParameter("count");
- ☐ d. ServletContext sc=getServletContext();

```
int result=sc.getInitParameter("count");
```

Clear my choice

Question **13**

Answer saved

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Which following function in core library taglib of JSTL is used to make the urlrewriting technique?

- ☒ a. url and/or param
- ☐ b. import and/or param
- ☐ c. set and/or param
- ☐ d. None of the others

Clear my choice

Question **14**

Answer saved

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Which structure of war file does?

- ☐ a. None of the others
- ☒ b. WEB-INF directory, resources that browser can access depending permission putting outside WEB-INF directory, and/or META-INF directory
- ☐ c. WEB-INF directory, all directory putting outside WEB-INF directory that is shown in IDE tool, lib directory with jar files that are added, and/or META-INF directory
- ☐ d. WEB-INF directory, and META-INF directory

[Clear my choice](#)

Question **15**

Answer saved

Marked out of 1.00

Which mechanism does forEach function of core taglib library of JSTL executes?

- ☐ a. Loop depends the while control structure when collection's item is existed
- ☐ b. Loop depends the container reading the size of collection
- ☒ c. Loop depends on event on tag when the collection's item is existed
- ☐ d. None of the others

[Clear my choice](#)

Question **16**

Answer saved

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assume that all library files are imported, consider the code in the files:

**processingServlet.java**

```
...
ArrayList<Book> list=new ArrayList();
list.add( new Book("b1","test1"));
list.add( new Book("b2","test2"));
list.add( new Book("b3","test3"));
request.setAttribute("data", list);
response.sendRedirect("index.jsp");
...
```

**index.jsp**

```
...
<c:foreach var="b" items="${requestScope.data}" >
    <p>${b.id} ${b.title}</p>
</c:foreach>
...
```

What is the output when processingServlet.java runs?

- ☐ a. display three paragraphs that contain id and title of the books
- ☒ b. None of the others
- ☐ c. display three paragraphs that are empty string
- ☐ d. display three paragraphs that are null

Clear my choice

Question **17**

Answer saved

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consider the code:

```
<form action="/targetServlet">....</form>
```

Choose the right option.

- ☐ a. The browser will assume that "targetServlet" resides in the same place the default page as index.jsp or index.html
- ☐ b. The browser will assume the the path at the root location for specified host (<http://host:port>).
- ☒ c. The browser will assume that "targetServlet" resides in the Lib folder
- ☐ d. The browser will assume that "targetServlet" resides in the WEB\_INF folder

[Clear my choice](#)

Question **18**

Answer saved

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Given tld fragment

```
<tag>
  <name>test</name>
  <tag-class>sample.custag.Test</tag-class>
  <body-content>EMPTY</body-content>
  <attribute>
    <name>a</name>
    <required>false</required>
    <rtexprvalue>true</rtexprvalue>
  </attribute>
</tag>
```

Which following tag is NOT correct when it is applied above configuration? Assume that the prefix of tag is test in used.

- ☒ a. `<test:test>abc</test:test>`
- ☐ b. None of the others
- ☐ c. `<test:test a = "${2 + 2}/>`
- ☐ d. `<test:test a = "5"/>`

[Clear my choice](#)

Question **19**

Answer saved

Marked out of 1.00

Which of following feature does indicate "Servlet should NOT use as dynamic page"?

- ☐ a. Getting auto refresh on receiving a request time
- ☐ b. Initialize only once at deploy time
- ☐ c. None of the others
- ☒ d. Low lever HTML format

[Clear my choice](#)

Question **20**

Answer saved

Marked out of 1.00

Which mission of JSP Engine does?

- ☒ a. Parse JSP File, Generate Servlet Code, Compile Servlet, and Instantize Servlet
- ☐ b. Compile JSP into Java Class, Generate Mapping into Web Deployment Descriptor (web.xml), Generate Request and Response Object, Forward to Resource
- ☐ c. Generate Servlet Code, Compile Servlet, Generate Mapping into Web Deployment Descriptor (web.xml), and Instantize Servlet
- ☐ d. None of the others

[Clear my choice](#)







Question **21**

Answer saved

Marked out of 1.00

How does remain the Request Object's life longer?

- ☐ a. Using Attribute of Request Object
- ☒ b. Using Request Dispatcher
- ☐ c. None of the others
- ☐ d. Using UrlRewrting combining sendRedirect method of Response Object

[Clear my choice](#)

Question **22**

Answer saved

Marked out of 1.00

What is difference about resource response mission between Request Dispatcher and Filter?

- ☐ a. The first resource that is forwarded information will response in Request Dispatcher mechanism. The last resources that is applied filter will be response in Filter
- ☐ b. None of the others
- ☒ c. The last resource that is forwarded information will response in Request Dispatcher. The first Filter that is apply to resources will be response in Filter
- ☐ d. The first resource that is forwarded information will response in Request Dispatcher mechanism. The last Filter that is apply to resources will be response in Filter

[Clear my choice](#)

Question **23**

Answer saved

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Consider some steps:

[1] Check available DB connection

[2] Create SQL String using DML

[3] Connect DB using method that you are built

[4] Create Statement/PreparedStatement/CallableStatement

[5] Execute Query to get ResultSet

[6] Process the ResultSet

Choose the right sequence to access the DB using JDBC API?

- ☐ a. 1,2,3,4,5,6
- ☒ b. 3,1,2,4,5,6
- ☐ c. 1,3,2,4,5,6
- ☐ d. 3,4,5,6,1,2

[Clear my choice](#)

Question **24**

Answer saved

Marked out of 1.00

What is Interceptor in Struts 2 Framework?

- ☐ a. None of the others
- ☒ b. It is another Filter that receive information from Main Filter (Dispatch Filter)
- ☐ c. It is a Filter that applied to application when the user uses browser send request to container

[Clear my choice](#)

Question **25**

Answer saved

Marked out of 1.00

Which symbol is used to get or call get method of object in EL?

- ☒ a. Dot Symbol
- ☐ b. None of the others
- ☐ c. Semi Colon Symbol
- ☐ d. Double quote

[Clear my choice](#)

Question **26**

Answer saved

Marked out of 1.00

**Consider the code in the filter**

```
public void doFilter(ServletRequest request, ServletResponse response,
    FilterChain chain) throws IOException, ServletException {
    try {
        chain.doFilter(request, response);
        request.setAttribute("id", "SE12345");
    } catch (Throwable t) {}
}
```

**And the code in the servlet1**

```
...
String s= (String)request.getAttribute("id");
out.println("id:" +s);
```

....

**Apply this filter to the servlet1**

What is displayed in the browser?

- ☐ a. the text "SE12345" is displayed in the browser.
- ☐ b. the empty string is displayed in the browser.
- ☒ c. the null value is displayed in the browser
- ☐ d. None of the others

Clear my choice

Question **27**

Answer saved

Marked out of 1.00

Consider the code in the file "web.xml":

```
<web-app>
....
<filter>
    <filter-name>myfilter</filter-name>
    <filter-class>vanttn.filter.myfilter</filter-class>
</filter>
<filter-mapping>
    <filter-name>myfilter</filter-name>
    <url-pattern>/servlet1</url-pattern>
</filter-mapping>
....
</web-app>
```

Choose the right statement.

- [1] Intercept the requests and response that flow between a client and the servlet "servlet1".
- [2] Supports dynamic modification of requests between a client and the servlet "servlet1"
- [3] only apply the filter "myfilter" to all servlets in the web app exception the servlet "servlet1"
- [4] can not apply the filter "myfilter" by using "web.xml"

- ☐ a. 3
- ☐ b. 2
- ☐ c. 4

⌂



☒ d. 1

Clear my choice

Question **28**

Answer saved

Marked out of 1.00

Who initializes the Response Object?

- ☒ a. Container
- ☐ b. None of the others
- ☐ c. Tomcat Server
- ☐ d. Servlet

Clear my choice

Question **29**

Answer saved

Marked out of 1.00

What is the url-pattern tag in filter-mapping tag for?

- ☒ a. Determining the resource is applied by configuring Filter
- ☐ b. None of the others
- ☐ c. Determining the access path to access the Filter from the browser
- ☐ d. Define the mechanism to resource accessing the Filter

[Clear my choice](#)

Question **30**

Answer saved

Marked out of 1.00

Consider the code:

.....

```
String sql="select ORDERID,ORDERDATE,STATUS from ORDERS where STATUS=?"  
PreparedStatement pst=cn.prepareStatement(sql);  
//MISSING  
ResultSet rs=pst.executeQuery();
```

...

What statement is used insert to [MISSING] to get orders that is processing?

- ☐ a. `pst.getString("STATUS");`
- ☒ b. `pst.setString(1,"processing");`
- ☐ c. `pst.setString("processing");`
- ☐ d. `pst.setInt(1,"processing");`

[Clear my choice](#)





Question **31**

Answer saved

Marked out of 1.00

choose the right option to insert data as: name="testing" to the request scope in the servlet.

- ☐ a. Request.setAttribute("name","testing");
- ☒ b. request.setAttribute("name","testing");
- ☐ c. RequestScope.setAttribute("name","testing");
- ☐ d. this.setAttribute("name","testing");

[Clear my choice](#)

Question **32**

Answer saved

Marked out of 1.00

What method commonly used for passing user input/ sending information to the server. These request parameters are passed in the body of the request?

- ☐ a. SENT
- ☒ b. POST
- ☐ c. PASS
- ☐ d. GET

[Clear my choice](#)

Question **33**

Answer saved

Marked out of 1.00

Which mechanism does Struts 2 can be used some components in any projects or libraries?

- ☐ a. Using xml to configure
- ☒ b. Using JavaBeans
- ☐ c. None of the others
- ☐ d. Using Action Context to contain information

[Clear my choice](#)

Question **34**

Answer saved

Marked out of 1.00

Consider the table structure:

Accounts( accid: int primary key, fullname: varchar(20), role: int foreign key, email: varchar(20)).

Roles(roleid: int, description: varchar(50))

What query can be used to check the account id=1 that exists in the Accounts table?

- ☐ a. select \* from Accounts where accid=1
- ☒ b. all of the others
- ☐ c. select count(accid) from Accounts where accid=1
- ☐ d. select accid from Accounts where accid=1

[Clear my choice](#)

Question **35**

Answer saved

Marked out of 1.00

Consider some statements:

- [1] Dynamically access incoming requests from the user before the servlet processes the request
- [2] Access the outgoing response from the web resources before it reaches the user
- [3] Intercept the requests and response that flow between a client and a Servlet/JSP
- [4] Was introduced as a Web component in Java servlet specification version 2.3

What these statements are saying about?

- ☐ a. web server
- ☐ b. container
- ☐ c. back end services
- ☒ d. filter

[Clear my choice](#)



Question **36**

Answer saved

Marked out of 1.00

Consider the code:

```
<form action="target" method="post">  
  <input type="text" value="testing" name="txt"/>  
  <input type="submit" name="btn" value="search"/>  
</form>
```

What value will be sent to the resource "target" after submitting?

- ☐ a. The text "search" is sent
- ☒ b. Both "testing" and "search" are sent
- ☐ c. The text "testing" is sent
- ☐ d. nothing is sent

[Clear my choice](#)

Question **37**

Answer saved

Marked out of 1.00

Assume that all library files are imported and there is a data as user="testing" in the session scope .

Consider the code in the file "index.jsp"

...

```
<h1>welcome [MISSING]</h1>
```

...

What statement is used to display "testing" at [MISSING]?

[1] `${sessionScope.testing}`

[2] `${sessionScope.user}`

[3] `${session.getAttribute("testing")}`

[4] `${"testing"}`

☒ a. 2

☐ b. 4

☐ c. 1

☐ d. 3

[Clear my choice](#)

Question **38**

Answer saved

Marked out of 1.00

Consider the code:

```
<jsp:useBean id="b" class="vanttn.dto.Book" scope="session" />
```

What option is similar to the above code?

- ☐ a. 

```
<%  
    b= new vanttn.dto.Book();  
    pageContext.setAttribute("b", b);  
%>
```
- ☒ b. 

```
<% vanttn.dto.Book b= (vanttn.dto.Book) pageContext.getAttribute("b");  
    if (b== null) {  
        b= new vanttn.dto.Book();  
        pageContext.setAttribute("b", b);  
    } %>
```
- ☐ c. 

```
<%  
    b= new vanttn.dto.Book();  
    pageContext.setAttribute("b", b);  
%>
```
- ☐ d. 

```
<% Book b= pageContext.getAttribute("b");  
    if (b== null) {  
        b= new Book();  
        pageContext.setAttribute("b", b);  
    }  
%>
```

Clear my choice

Question **39**

Answer saved

Marked out of 1.00

What memory scope is used to store data that exists until the web container is stopped?

- ☐ a. request scope
- ☒ b. application/context scope
- ☐ c. session scope
- ☐ d. page scope

Clear my choice

Question **40**

Answer saved

Marked out of 1.00

Consider the code in the file "index.jsp"

```
...  
<form method="post">  
  <input type="text" name="txt1" value="" placeholder="input email" />  
  <input type="password" name="txt2" value="" placeholder="input password"/>  
  <input type="submit" name="btn" value="submit" />  
</form>
```

....

What statement is used to assign again the inputted value in the text control "txt1" after submitting?

- ☐ a. At the value property of the control "txt1", type: `${param.txt1}`
- ☐ b. At the value property of the control "txt1", type: `${requestScope.txt1}`
- ☒ c. All of the others
- ☐ d. At the value property of the control "txt1", type: `<%= request.getParameter("txt1") %>`

[Clear my choice](#)





Question **41**

Answer saved

Marked out of 1.00

How does output of Servlet Object present into browser?

- ☐ a. None of the others
- ☐ b. The servlet's output is automatically sent to user's browser
- ☐ c. The servlet's output should be put into Scope then Request Dispatcher will be forwarded to browser
- ☒ d. The servlet's output should be put into Response Object

[Clear my choice](#)

Question **42**

Answer saved

Marked out of 1.00

Consider the code:

```
...  
String myvalue=request.getParameter("txtname");  
Select * From Registration Where uName = ?
```

What can be used to set the myvalue variable to "?" ?

- ☒ a. using the PreparedStatement
- ☐ b. Using Connection
- ☐ c. Using ResultSet
- ☐ d. using Statement

[Clear my choice](#)



Question **43**

Answer saved

Marked out of 1.00

What is the meaning of param keyword in EL?

- ☐ a. param is a briefcase of Request Parameter
- ☒ b. param is a briefcase of request.getParameter
- ☐ c. None of the others
- ☐ d. param is a briefcase of Parameters of Context Scope, Config, and Request Scope

[Clear my choice](#)

Question **44**

Answer saved

Marked out of 1.00

Which method does container generate code with scriptlets and expression?

- ☐ a. service
- ☐ b. None of the others
- ☒ c. \_jspService
- ☐ d. \_jspForward

[Clear my choice](#)

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Question **45**

Answer saved

Marked out of 1.00

The method="GET" Is the method commonly used to request a resource/get information from the server. What this method is triggered by ?

- ☐ a. Pressing the submit button in an HTML form with GET method
- ☒ b. All of the others
- ☐ c. Clicking on a link in a web page
- ☐ d. Typing into the address line of the browser and pressing GO

[Clear my choice](#)

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Question **46**

Answer saved

Marked out of 1.00

Consider the table structure:

Accounts( accid: int primary key, fullname: varchar(20), role: int foreign key, email: varchar(20)).

Roles(roleid: int, rolename: varchar(50))

What query can be used to get full name and role name of the account?

- ☐ a. select fullname, rolename from Accounts, Roles
- ☐ b. None of the others
- ☒ c. select fullname, rolename from Accounts, Roles where role=roleid
- ☐ d. select \* from Accounts , Roles

[Clear my choice](#)

Question **47**

Answer saved

Marked out of 1.00

What attribute presents value that contains some target resource in the web application (e.g. Servlet or JSP)?

- ☐ a. encryption
- ☒ b. action
- ☐ c. method
- ☐ d. multidata

[Clear my choice](#)

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Question **48**

Answer saved

Marked out of 1.00

Assume that all library files are imported, the page is run on the localhost, port:8080, the web name is "MyWeb"

consider the code in the file "index.jsp"

...

```
<c:url var="test" value="search.jsp">  
  <c:param name="key" value="plant"/>  
</c:url>
```

```
<a href="${test}"> click here</a>
```

....

What will be displayed when the user clicks the hot pot "click here"?

- [1] "http://localhost/MyWeb/search.jsp&key=plant"
- [2] "http://localhost:8080/MyWeb/search.jsp&key=plant"
- [3] "http://localhost/MyWeb/search.jsp?key=plant"
- [4] "http://localhost:8080/MyWeb/search.jsp?key=plant"

- ☐ a. 3
- ☒ b. 4
- ☐ c. 2
- ☐ d. 1

Clear my choice

Question **49**

Answer saved

Marked out of 1.00

Which definition is used to map dynamic database connection?

- ☐ a. Java Database Connection
- ☐ b. None of the others
- ☐ c. Resource
- ☒ d. Data-source

[Clear my choice](#)

