Question	Option 1	Option 2	Option 3	Option 4	Correct
Iterator is having previous() method.State True or False.	TRUE	FALSE			2
Which of the Following attributes of page directive are invalid?	isScriptingEnabled	isELIgnored	language	session	1

What will be the output of following code?
 	
class Super2
{
public void display()
{
System.out.println("super class display method");
}
public void exe()
{
System.out.println("super class exe method");
display();
public void display()
{
System.out.println("sub class display method");
}
public static void main(String [] args)
{
InheritMethod o= new InheritMethod();
o.exe();
}
}
	super class exe method super class display method	super class exe method sub class display method	Compilation error	None	4

Please select the correct statement with respect to including Javascript in HTML pages.	JavaScript can be written inside the header	JavaScript can be written as an external file and imported to the page	all of the listed options	JavaScript can be written inside the page body	3

What is the data type of m in the following code?
 	
import.java.util.*;
public class set1
{
public static void main (String [] args)
{
Set s= new HashSet();
s.add(20);
s.add("abc");
for(____m.s)
System.out.println(m);
}
}
	String type	int Type	set1 type	Object type	4

Tags for using JavaBeans with JSP?	<jsp:useBean><jsp:setProperty> and <jsp:getProperty>	<jsp:useBean> and<jsp:include>	<jsp:useBean> and<jsp:plugin>	<jsp:setProperty> <jsp:getProperty> and <jsp:forward>	1
Which method can be used to submit form data that should not be exposed for viewing?	POST	GET	REQUEST	PUT	1
How do you separate ASP.NET code from the user interface?	Using Custom Controls	Using User Controls	Using Code-Behind Forms	Using ASP.NET web pages	3

What will be the output for following code?
public class Exe3
{
public static void main (String [] args)
{
try
{
int i=10;
int j=1/0;
return;
	welcome	error	None	compilation error	4

Which of the following assembles can be stored in Global Assembly Cache?	Friend Assemblies	Private Assemblies	Public Assemblies	Shared Assemblies	4

Manoj has created the Hello servlet that displaya Welcome in the browser window. The code of the servlet is:
 	
package myworld;
import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletConfig;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
 	
public class hello extends HTTPServlet
{
protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException
{
PrintWriter out=response.getWriter();
out.println("<html>");
out.println("<head>");
out.println("<title> My Servlet</title>");
out.println("</head>");
out.println("<body>");
	`<servlet><servlet-name>myworld hello</servlet-name> <servlet-class>hello</servlet-class> </servlet><servlet-mapping><servlet-name>hello</servlet-name> <url-pattern>/hello</url-pattern></servlet-mapping>`	`<servlet><servlet-name>hello</servlet-name> <servlet-class>myworld.hello</servlet-class> </servlet> <servlet-mapping> <servlet-name>hello</servlet-name> <url-pattern>hello</url-pattern></servlet-mapping>`	`<servlet><servlet-name>hello</servlet-name> <servlet-class>hello</servlet-class> </servlet><servlet-mapping><servlet-name>hello</servlet-name> <url-pattern>/hello</url-pattern></servlet-mapping>`	`<servlet><servlet-name>hello</servlet-name> <servlet-class>myworld.hello</servlet-class> </servlet><servlet-mapping><servlet-name>hello</servlet-name> <url-pattern>/hello</url-pattern></servlet-mapping>`	4

Which two statements about packages are true?	You achieve information hiding by making package constructs private.	A package is loaded into memory each time it is invoked	Packages can be nested	The contents of packages can be shared by many applications	1,4
Which of the following statements is incorrect about a delegate?	A single delegate can invoke more than one method	Delegates can be shared	Delegates are type-safe wrappers for function pointers	Delegate is a value type	4

Identify the code snippet
declare EmpNAME;
begin
SELECT ENAME INTO EmpNAME FROM Emp WHERE EmpNo=101172;
dbms_output.put_line(EmpName);
end;
 	
What will be the output of the above code?
	Error	ENAME of EmpNO 101172			**2**

The result of 10.987+"30.765" is _____.	10.9873.765	10.98730.765	10.987		**2**
What does the LOCAL argument in the DECLARE CURSOR statement denote?	The LOCAL cursor will be implicitly deallocated when the batch, stored procedure or trigger terminates	Specifies that cursor can be available only in the batch, stored procedure or trigger in which the cursor was created	The LOCAL cursor will have to be explicitly deallocated when the batch, stored procedure or trigger terminates	Specifies that cursor can be available to all local resources	**1,2**
Select two runtime exceptions.	NullPointerException	IOException	ArrayIndexOutOfBoundsException	SQLException	**1,3**
Culture & UICulture properties of a page class can have different culture values. State True or False.	TRUE	FALSE			**2**

Which of the following statements is correct about the C#.NET program given below if a value "6" is input to it? using System.
namespace IndiabixConsoleApplication
{
class MYProgram
{
static void Main(string [] args)
{
int index;
int val = 44;
int [] a= new int[5];
try
{
Console.Write("Enter a number");
index=Convert.Toint32(Console.ReadLine( ));
a[index]=val;
}
catch(FormatException e)
	It will output: Bad Format	It will output: Bad Format Remaining Program	It will ouput: Index out of bounds Remaining Program	It will output: Remaining Program	3

Consider you are developing shopping cart application you have to store details of items purchased by the each customer in intermediate memory before storing purchase details in actual database permanently note that number of different items purchased by customer is not definite it may vary.n How do you implement given requirement using java considering best performance of the application?	Implement using Arrays	None of the listed options	Implement using File APIs	Implement using Collection APIs	4
Which of the following statements are correct?	All objects created from a class will occupy equal number of bytes in memory	A class can contain only instance data and instance member function	A class is a blueprint or a template according to which objects are created	Instance members of a class can be accessed only through an object of that class	1,2,4

Select correct naming convention used during class declaration.	Class name should be nouns	Class name can be java vaild keyword	Should be simple and descriptive	Class name starts with lower case	1,3
<pref.tag1> <%=result %> </pref.tag1> Which of the following are valid for the <body-content> tag of tag1?	empty	scriptless	tag dependant	JSP	2

interface B
{
public void bM1();
public void bM2();
}
abstract class A implements B
{
public abstract void aM1();
public abstract void aM2();
public void bM1(){};
}
public class Demo extends A
{
}
In above scenerio class Demo must override which methods?
	public void aM1(){}	All the listed options	public void bM2(){}	public void aM2(){}	2

Which of the following statements are correct?	Argument that uses param keyword must be the last argument of variable argument list of a method	Pass by reference eliminates the overhead of copying large data	An argument passed to the ref parameter need not be initialized	Variable passed as out arguments need to be initialized prior to being passes	1,2
Which of the following Listener is used to track number of active sessions or users?	HttpSessionBindingListener	ServletRequestListener	HttpSessionListener	ServletRequestListener	3

Which statements are true about hash Tables?	The key can be the null reference	The value cannot be the null reference	The key cannot be the null reference	The value can be the null reference	2,3
gen has written a JSP Code in which he is calling the getMessage() function which is returning a value "hello world". You have to identify which code should he use to get this?	<html> <%! String message="hello world", String getMessage() { return message;} %> Message for you:<%! getMessage() %> </html>	<html> <%= String message= "hello world", String getMessage(){ return message;} %> Message for you:<%=getMessage() %> </html>	<html> <%String message="hello world", String getMessage(){ return message;} %> Message for you:<%=getMessage() %> </html>	<html> <%! String message="hello world", String getMessage(){ return message;} %> Message for you:<%=getMessage() %> </html>	4
Views are a powerful mechanism for customizing the way your data is presented to users. They can be used to enhance security and streamline complex table relationships. Views that create static results can still be modified using _____ which allow you to define how the underlying tables are modified ensuring your data integrity.	Functions	Triggers	Stored Procedure	Cursors	2
Which object of JSP holds reference to javax.servlet.http.HttpSession object?	session	response	request	PageContext	1

Consider you are maintaining ABC company database. ABC company databse tables are accessed by 1000 users initially when it was designed from last two years there was tremendous increase in number records count also number of users who are accessing the database tables to fetch results. Users of ABC company database are reporting problem that query processing is taking more time when they execute query against the database tables. What will the right solution you will suggest in such scenerios in order to increase databse query performance?	Create index	Create function	Create stored procedure	Create trigger	3
Which statements are true about large varchar?	A sql_variant cannot contain a large varchar data type	Large varchar column can be specified as a key column in an index	Large varchar columns are the only columns that can be used as partitioning key columns	Large varchar columns cannot be used as partioning key columns	1,4

What will be the output for following code?
public class CompareStrings{
public static void main(String [] args){
if(" string ".trim()=="string")
System.out.println("both strings are equal");
else
System.out.println("both strings are not equal");
}
}
	both strings are not equal	compilation error	String operator cannot compare using == operator	both string are equal	1

public class Threads
{
public static void main(String[]args)
{
new Threads().go();
}
public void go()
{
Runnable r = new Runnable()
{
public void run()
{
System.out.print("Run");
}
};
 	
Thread t= new Thread(r);
t.start();
t.start();
}
}
	An exception is thrown at runtime	The code executes normally and prints "Run"	Compilation fails	The code executes normally but nothing is printed	1

Consider the following code with line number given below: Line 4: <%! int a=6; %> Line 5: <%! int b=8; %> Line 6: Reult is <%!=a*b; %> Which of the following are true with respect to the above code segment?	It will complie successfully and print 48	Line 6 is invalid	Line 4 is invalid	Line 5 is invalid	2
JAXP stands for:	Java API for XML Processing	Java API for eXtensible Processing	None	Java API for eXtensive Processing	1

Question	A	B	C	D	Ans
Ronald has observed that his Web application has some HTML tags or features that all the Web browsers do not support. If the client's browser does not support the application may or may not run or may generate undesired output in the Web Browser of the client. Therefore Ronald wants to identify the type of browser and other specific information about the client that sends the request to the Web application before invoking the servlet. Which of the following options will help Ronald provide this functionality?	By modifying the web deployment descriptor	By programming filters	By createing security constraints	By implementing the listeners	2
During translation the scriptlet code is copied inside:	Scriptlet code gets no space in the generated scriplet	The service method of the generated servlet	The init() method of the generated servlet	The doGet() method of the generated servlet	2
Which of the following options can be used by the controller to destroy a session of a web application immediatly?	By using the setMaxInactiveInterval() method period to 60 seconds	By using the destroy() method	By using the invalidate() method	By setting the session-timeout parameter in the web.xml file to 1 minute	3
Which of the following statements are true? Statement A: Arrays have a fixed upper bound, but nested tables are unbounded. Statement B: Second, arrays must have consecutive subscripts and nested tables are dense, but they can be sparse(have non-consecutive subscripts).	Both A and B are false	Both A and B are true	A is true and B is false	A is false and B is true	2
Code to get the value of "address" request parameter is:	${param.address}	${request.address}	${values.address}		1

Question	Option A	Option B	Option C	Option D	Ans

What will be the output for following code?
public class VariableDec1
{
public static void main(String[]args)
{
int i=32;
char c=65;
char a=c+i;
System.out.println(a);
}
	None	a	Compilation Error	97	3

Consider Vijay is developing a web application. Which method he can use to get a collection of elements of same type(for example paragraph tags) in JAVA Script?	None	getElementByID()	getElementByName()	getElementByTagName()	4

What will be the output for following code?
 	
public MethodOverloading {
int m=10,n;
public void div(int a) throws Exception {
n=m/a;
System.out.println(n);
}
public void div(int a,int b) {
n=a/b;
}
public static void main(String[]args) throws Exception {
MethodOverloading o= new MethodOverloading();
o.div(0);
o.div(10,2);
}
}
	It will print ArithmeticException and prints 5	None	It will print 5	It will give ArithmeticException	4

How does SOAP enable creation 7 usage of Web services?	Provides a robust mechanism to Data & Structure over the web	Uses proprietary means of describing data	Enables messaging over HTTP	Uses standard means of describing data	1,3,4

Question	Option 1	Option 2	Option 3	Option 4	Answer
What does the following code denote? var orderedCustomers= from customer in Customers where customer,Grade == "Premium" orderedby customer.Name select customer.Name; select one or more:	The following code is an example of LINQ query	The following code shows the syntax for Filtering data	The following code is an example of Database query	The following code shows the syntax for Ordering data	1,2,4
Which JSTL code snippet can be used to perform URL rewriting? Select one:	<a href='<c:link value="cognizant.jsp"/>'/>	<a href='<c:url value="cognizant.jsp"/>'/>	<a href='<c:link url="cognizant.jsp"/>'/>		2
Consider you are developing an ATM application for ABC Bank using java application. Several account holders of ABC Bank have opted for add-on cards. There is a chance that two users may access the same account at same time and do transaction simultaneously knowingly or unknowingly from different ATM machine from same or different bank branches. As developer you have to ensure that when one user login to account until he finishes his transaction account should be locked to other users who are trying access the same account. How do you implement given requirement programmatically using java?	Using object serialization	None	Using object deserialization	Using Thread Synchronization	4
InputStream is the class used for stream of characters State True or False.	TRUE	FALSE			2

Question	Option 1	Option 2	Option 3	Option 4	Answer

What does the following code denote?
 	
public class Contact
{
public string Name { get,set;}
public string Email { get,set;}
public string Address { get,set;}
}
 	
class Customer:Contact
{
public string Gender { get,set;}
public decimal income { get,set;}
}
	Inheritance	Overriding	Encapsulation	Overloading	1

What are the Tools & plugs-ins commonly used in testing java application code?	ANT	EMMA	JUnit		2,3
What are the benefits of using a stored procedure?	Efficient reuse of code	Reduced network traffic	Efficient compilation	Precompiled execution, hence faster	1,2,4
Given that URL-rewriting must be used for session management, identity the query string attribute used when URL-rewriting.	jsessionid	containerid	sessionid	servletid	1
Mention some of the important functions of Servlet Filter.	Modifying the request or response	allowing all the users	None of the listed options	Security Checks	1,4
consider you are creating a cursor. Choose the correct sequence of steps to work with cursors?	Declare,Fetch, Open Fetch	Open,Fetch,Close	Declare,Open,Fetch,Close	Open, Declare,Fetch,Close	3
What is the use of ServletConfig interface?	A servlet configuration object used by a servlet container to pass information to a servlet during initialization	All of the listed options	The ServletConfig object is contained within the ServletContext object	Defines an object to provide client request information to a servlet	2

`<?xml version="1.0" encoding="UTF-8"?>` `<taglibxmlns="http://java.sun.com/xml/ns/j2ee"` `xmlns.xsi="http://www.w3.org/2001/XMLSchema-instance"` `xsi.schemaLocation="http://java.sun.com/xml/ns/j2eeweb-jsptaglibrary_2_0 xsd" version="2.0">` `<tlib-version>2.0</tlib-version>` `<short-name>SimpleTagForLearning</short-name>`	`<%@ taglib prefix="pre" uri="testuri"%><html><head> <title>Demo</title></head><helloworld attrib="john"/></html>`	`<%@ taglib prefix="pre" uri="testuri"%><html><head> <title>Demo</title></head><pre:helloworld attrib="john"/></html>`	`<%@ taglib prefix="pre" uri="testuri"%><html><head><title> Demo</title></head><helloworld "attrib"=john/></html>`	`<%@ taglib prefix="pre" uri="testuri"%><html><head> <title>Demo</title></head><pre:helloworld/></html>`	2
Which complex type specifies that the elements should always be in the order specified?	`<xs:complexType name="Countrinfo"><xs:choice><xs:element name="countryName" type="xs:string"/><xs:element name="states" type="xs:integer"/></xs:choice></xs:complexType>`	`<xs:complexType name="Countrinfo"><xs:all><xs:element name="countryName" type="xs:string"/><xs:element name="states" type="xs:integer"/></xs:all></xs:complexType>`	None of the listed options	`<xs:complexType name="Countrinfo"><xs:sequence><xs:element name="countryName" type="xs:string"/><xs:element name="states" type="xs:integer"/></xs:sequence></xs:complexType>`	4

Which statements about JDBC are true?	JDBC is an API to access relational databases, spreadsheets and flat files	JDBC is an API to bridge the object-relational mismatch between OO programs and relational databases	JDBC has 5 types of Drivers	JDBC stands for Java DataBase Connectivity	1,2,4
What is the significance of the @ Register directive in a ASP.NET web page?	The directive is used to register a web page	The directive is used to register a user control	The directive is used to register a web site	The directive is used to register an application	2
As per Java Class names should be nouns , in mixed case with first letter of each internal word capitalized. Try to keep your class names simple and descriptive. State True or false.	TRUE	FALSE			1
Which of the following keywords ensures that a method cannot be overridden?	final	protected	abstract	static	1
Given a Filter class definition with this method: 21. public void doFilter(ServletRequest request, 22. Servletresponse response, 23. filterChain chain) 24. throws ServletException, IOException { 25. // insert code here 26. } Which code line should you insert at line 25 to property invoke the next filter in the chain, or the target servlet if there are no more filters?	request.doFilter(request,response);	chain.doFilter(request,response);	request.forward(request,response);	chain.forward(request,response);	2

Which of the following statements are correct?	Pass by reference eliminates the overhead of copying large data	An argument passed to a ref parameter need not be initialized first	Variable passed as out arguments need to be initialized prior to being passed	Argument that uses params keyword must be the last argument of variable argument list of a method	1,4

public class MethodSigExample
{
public int test(String s, int i)
{
int x=i+s.length();
return x;
}
}
During refactoring method signature can be changed using the option:
Select one:
	Refractor> move method	Refractor> Extract method	Refractor> Change Method Signature	Refractor> move	3

What will be the output of the following Java Script code whrn the button is clicked?
<body>
<script type="text/javascript">
function displayMessage(){
document.write("Displaying message by using javaScript");
}
</script>
<button type="button" onclick="DISPLAYMESSAGE()"> Display Message</button>
 	
</body>
 	
Select one:
	It will print the message "Displaying message by using javaScript"	It will display some error message on browser	It will not print the message	None	3

What is the syntax of Expression Language in a JSP page?	${expr}	${"expr"}	$[expr]	#{expr}	1

Which statements are applicable to Web services?	The information is passed back & forth through HTTP	The data transfer is XML based	The communication protocol most often used for Web Services is SOAP	The information is passed back & forth through TCP/IP	**1,2,3,4**
Which two statements are true? Select one or more:	Deadlocked threads release once their sleep() method's sleep duration has expired	If a piece of code is capable of deadlocking, you cannot eliminate the possibility of deadlocking by inserting invocations of Thread.yield();	The JVM implementation guarantees that multiple threads cannot enter into a deadlocked state	It is possible for more than two threads to deadlock at once	**2,4**
When one method is overridden in sub class the access specifier of the method in sub class should be equal as method in super class. State true or false.	TRUE	FALSE			**2**
Which of the following options represents the presentation logic to provide the data of the model in the MVC design pattern?	View	Connector	Controller	Model	**1**
Which parser reads small chunk of document at a time, parses it, generate an events and then reads another chunk of document?	DOM	None	XML	SAX	**4**
XYZ Company database tables are accessed by several users but few users want to do positional row updates or deletes operation on databases tables based on business requirement. What will the right solution yow will implement in such scenerio?	Use Cursors	Use database Trigger	Use Views	Use database Indexes	**1**

Question	Option 1	Option 2	Option 3	Option 4	Answer
You are developing dynamic web application using JSP. Which attribute of page directive specifies the list of classess imported in the JSP file?	extends	import	session	language	2
What are the benefits of using a stored procedure?	Efficient compilation	Reduced network traffic	Precompiled execution, hence faster	Efficient reuse of code	2,3,4
Request implicit object is which of the following type?	ServletHttpRequest	HttpServletRequest	ServletRequest	HttpRequest	2

What will be the output of following code?
try
{
System.out.println("Executing try");
}
System.out.println("after try");
catch(Exception ex)
{
System.out.println("Executing catch");
}
	Executing try Runtime Exception	Executing try after try Executing catch	Runtime Exception	Compile Time Exception	4

You being a software developer needs to develop a web application for your organization. You decided to use servlets to create the web application. While you are creating the servlet you feel the need to write the code for the initialization of the servlet. This is needed to initailize the servlet with the required data after the servlet instance has been created. How will you perform this task?	By overriding the service method in the servlet class	By overriding the init method in the servlet class	By overriding the doGet method in the servlet class	By overriding the destroy method in the servlet class	2
What is the use of attributes in HTML tags?	Attribute is a type of tag	Which represents the content to be displayed in the page	None	Provides additional behaviour to the tag	4

Question	Option 1	Option 2	Option 3	Option 4	Answer
Whenever a request goes from the client to the server some additional information other than the request is also passed to the server. This additional information is in the form of a _____.	footer	header	Session ID	Application ID	3
Select the advantages of using coding conventions in java application development.	all of the listed options	Improves easy maintenance	improves easy understanding	Improves Readability of the sofware	1
which of the following statements are true? Statement A: index by table is also known as associative arrays. It lets you to look up elements using arbitrary numbers and strings for subscript values. Statement B: Nested tables hold an arbitrary number of elements. they use sequential numbers as subscripts.	A is true, B is false	Both are true	Both are false	A is false, B is true	2
XYZ company database has SALES table which captures all department sales information. You have been asked to create department wise summarized total sales report from SALES table. Which of the following correct option will fetch you meaning full result?	None	Use Aggregate function along with WHERE clause in query to retrieve result	Use Aggregate function along with GROUP BY clause in query to retrieve result	Use Aggregate function along with ORDER BY clause in query to retrieve result	3
Which statements are applicable to Web services?	The information is passed back & forth through HTTP	The data transfer is XML based	The communication protocol most often used for Web Services is SOAP	The information is passed back & forth through TCP/IP	1,2,3,4
A filter configuration object used by a servlet container to pass information to a filter during initialization. State true or false.	TRUE	FALSE			1

Which attribute of the page directive indicates that the JSP engine can handle more than one request at a time when its value is set to true?	info	isThreadSafe	extends	autoflush	2

What will be the output for following code?
public class Compare
{
public static void main(String[]args)
{
String s= new String("abc");
String s1= new String("abc");
System.out.println(s.compareto(s1));
}
}
	Zero("0")	FALSE	None	TRUE	1

What are the benefits of Logging?	None	Debug applications issues easily	Detect compiler errors easily	Trouble Shoot performance problems	2,3,4
Consider you are developing a JDBC application, where you have to retrieve Employee table schema information like table columns name, columns field length and data type etc. Which API you will use to retrieve table schema information?	ResultSetMetaData	DataSource	Statement	ResultSet	1
Which of the following is applicable to Servlet Containers?	These are responsible for managing the lifecycle of servlets, mapping a URL to a particular servlet and ensuring that the URL requester has got the correct access right	These are specialized web servers, which support servlet execution	These are also referred to as web containers or web engines	All of the listed options	4

Select the benefits of versioning the software in java application development.	Formatting	Branching and merging	Synchronization	Backup and Restore	2,3,4
Which statement creates DocumentBuilderfactory instance?	DocumentBuilderFactory f=BuilderFactory.newInstance();	None	DocumentBuilderFactory f=new DocumentBuilderFactory();	DocumentBuilderFactory f=DocumentBuilderFactory.newInstance();	4

What will be the output for following code?
import java.util.*;
public class StringTokens
{
public static void main(String[]args)
{
String s="India is a\n developing country";
StringTokenizer o= new StringTokenizer(s);
System.out.println(o.countTokens());
}
}
	6	5	4	None	2

What will be the output of the following code snippet? <% page language="java"%> <html> <head></head> <body> <%java.util.Date now= new java.util.Date();%> <H1><%=now.getHours()%>:<%=now.getMinutes()%>:<%=now.getSeconds()%></H1> </body> </html>	It will display the current time as hh:mm:ss	It will display the date and time	It will display the date as mm:dd;yy	It will display the time as hh:mm:ss	1
Which of the following is the deployment descriptor file of a web application? Assuming that the name of the Web application is BankApp.	BankApp.xml	WebApp.xml	deployment.xml	web.xml	4
Choose a valid package name in JAVA.	123pack	outerpack_innerpack	com.sun.eng	pack123	2,3,4

Question	A	B	C	D	Ans
What does the following listing denote? <configuration> <system.web> <pages theme="Website"/> </system.web> </configuration>	Registering a skin in web.config	Registering a theme in web.config	Registering a MasterPage in web.config	Registering a StyleSheetTheme in web.config	2
In Java script, for accessing first paragraph tag in the document which of the statement is used?	document.getElementsByTagName("p")[0]	document.getElementsByTagName("p")	document.getElementsByTagName("p"[0])	None	1
How to divide the page into two rows when we are using frameset?	By using colspan	By using rows=50%,50%	By using rowspan	By using cols=50%,50%	2
What is the correct syntax of the declaration which defines the XML version?	<?xml version="1.0" />	<?xml version="1.0"?>	None	<xml version="1.0"/>	2
Identify the code snippet DECLARE var_num1 number:=50; var_num2 number; BEGIN var_num2 :=200; DECLARE var_mult number; var_num1 number:=100; --LINE 1 BEGIN var_mult :=var_num1*var_num2; END; dbms_output.put_line(var_num1); END; What will be the output of the above code assume serveroutput is on	Compilation Fails	Compilation Fails due to error in line 1	Runs without any output	Compiles, executes and prints 50	4
Try can be followed with either catch or finally.State true or false.	TRUE	FALSE			1

You are developing a trigger which should ensure that no negative value is inserted in employee table?s Age column. you have created a trigger as follows
create or replace trigger Age Verify
before insert
on employee for each row
when(new.EmpAge<0)
begin
RAISE_APPLICATION_ERROR(-20000,'no negative age followed');
end;
/
Identify error if any in the above trigger and give the solution.
	The order of Arguments passed to RAISE_APPLICATION_ERROR is wrong	Replacing RAISE_APPLICATION_ERROR(-20000,'no negative age allowed'); to RAISE_APPLICATIONS_ERROR(-20000,"no negative age allowed"); will give the desired output	Replacing RAISE_APPLICATION_ERROR(-20000,'no negative age allowed'); to RAISE_APPLICATION_ERROR(-20000,"no negative age allowed"); will give the desired output	No problem in the trigger. It gives the desired result	4

Which of the following code line will destroy a session?	session.isAlive=false;	session.invalidate();	session.isNew(false);	session.removeSession();	2
Which of the following are true about protected access specifier?	All members of abstract class are by default protected	Protected is default access modifier of a child class	A class can be declared as protected	If one class is having protected method then the method is available for subclass which is present in another package	1
Which of the following is not an attribute of meta tag?	content	name	http-equiv	value	4

Question	A	B	C	D	Answer
In Thread implementation making method synchronized is always better in order to increase application performance rather than using synchronize block to synchronize certain block of statements written in java inside the method. State true or false.	TRUE	FALSE			**1**

What will be the output for following code?
public class Variabledec {
public static void main(String[]args){
boolean x=true;
int a;
if(x) a=x?2:1;
else a=x?3:4;
System.out.println(a);
}
}
	2	4	3	1	**1**

Consider the following statements; Statement A: The PreparedStatement object enables you to execute parameterized queries. Statement B: The SQL query can use the placeholders which are replaced by the INPUT parameters at runtime. Which of the following option is true with respect to the above statements?	A is false and B is true	Both are true	Both are false	Both are false	**2**
Consider Vijay is developing web page using HTML. Which method he can use for sending large amount of data on submitting the form? I. POST II. GET	I	Both I & II	II	None	**1**

How can yopu force garbage collection of an object? 1. Garbage collection cannot be forced 2. Call System.gc() 3. Call Runtime.gc() 4. Set all references to the object to new values(null, for example).	1	4	3	2	**1**
How to drop all tables from recycle bin?	DROP DBA_RECYCLEBIN	Cannot drop tables from Recycle Bin	PURGE RECYCLEBIN	DROP ALL_TABLE_RECYCLEBIN	**3**
Which of the following variable represents the uncaught throwable object that resulted from a call to the error page?	application	exception	config	request	**2**
Under which two circumstances do you design database triggers?	To replicate built-in constraints in the Oracle server such as primary key and foreign key	To guarantee that when a specific operation is performed, related actions are performed	To duplicate the functionality of other triggers	For centralized, global operations that should be fired for the triggering statement, regardless of which user or application issues the statement	**2,4**

public class MethodSigExample
{
public int test(String s, int i)
{
int x= i+s.length();
return x;
}
}
During refactoring method signature can be changed using the option:
	Refractor> move	Refractor> move method	Refractor> Change Method Signature	Refractor> Extract method	**3**

When comparable interface is used which method should be overrided?	compareWith	compare	compareTo	comparator	**3**

Question					
SELECT e.EMPLOYEE_ID,e.LAST_NAME,e.DEPARTMENT_ID,d.DEPARTMENT_NAME FROM EMP e, DEPARTMENT d WHERE e.DEPARTMENT_ID=d.DEPARTMENT_ID; In the statement, which capabilities of a SELECT statement are performed?	Selection,Intersection, Join	Selection, Projection, Join	Intersection,Projection, Join	Difference, Projection Join	2

What will be the output for following code?
public class While {
static int i;
public static void main(String[]args){
System.out.println(i);
while(i<=5){
i++;
}
System.out.println(i);
}
}
	6,0	0,5	0,6	compilation error	3

XYZ company database has Customer personal Information. View table using which customer can update their personal information like address, phone number fields when user updates address and phone number fields in view table. We need to take care of updating address and phone number fields in underlying database base table automatically. What right solution do you suggest to implement this requirement?	Implement using Stored Procedures	Implement using triggers	Implement using cursors	Implement using functions	2
DIV tag creates linebreaks similar to paragraph tags.State true or false.	TRUE	FALSE			2

Which complex type signifies that only one of the child elements can appear?	`<xs:complexType name:CountrInfo"><xs:sequence> <xs:element name="countryName" type="xs:string"/> <xs:element name=""states" type="xs:integer"/> </xs:sequence></xs:complexType>`	`<xs:complexType name:CountrInfo"><xs:choice> <xs:element name="countryName" type="xs:string"/> <xs:element name=""states" type="xs:integer"/> </xs:choice></xs:complexType>`	`<xs:complexType name:CountrInfo"><xs:all><xs:element name="countryName" type="xs:string"/><xs:element name=""states" type="xs:integer"/></xs:all></xs:complexType>`	None	**2**
What will be the output of the below query? select instr('My SQL World','a') from dual;	Query contains error	Prints 14	Prints 6	Prints 0	**4**
How will you access a servlet context initialization parameter named "company-name"?	`${initParam["company-name"]}`	`${init.company-name}`	`${contextParam.company-name}`	`${init['company-name']}`	**1**
"Variables in Java Script should be declared with data types". State true or false.	TRUE	FALSE			**2**
Which method removes the attribute with the given name from the ServletContext interface?	void clearAttribute(String name)	void removeAttribute(Object name)	void removeAttribute(String name)	void flushAttribute(String name)	**3**

A Web application developed for an institution requires insertion of a header file comprising the logo and institution name. Identify the correct JSP tag from the options given below to add the logo and institution name to all the pages of the Web application. Select one:	<%@ page import="Header.html"%>	<form method="post" action="Header.html">	<jsp:forward page="Header.html">	<%@ include file="Header.html"%>	4
In which of these following getAttribute() and setAttribute() method has defined?	ServletResponse	HttpListener	ServletRequest	HttpSession	3,4
How to divide the page into two equal halves when we are using frameset?	By using colspan	By using rowspan	By using cols=50%.50%	By using rows=50%.50%	3,4

Examine the PL/SQL Block
declare
result Number;
num1 Number:=&number1;
num2 Number:=&number2;
begin
select num1/num2 into result from dual;
dbms_output.put_line('Result is '||result);
exception
when ZEROS_DIVIDE then
dbms_output.put_line('Exception Occured Divide by Zero');
end;
/
What will be the output of the above code when user passes the value for NUM1 as 0 and NUM2 as 10?
	compilation fails	Result is 0	Exception occurred divide by zero	Result is 10	2

Consider you are developing web application. Which of the following option is avalid in JSP for importing the package?	<%@ page session="true"%>	<%@ page import="java.util.*"%>	<%@ include autoFlush="java.util.*"%>	<%@ include import="java.util.*"%>	2

Question	Option 1	Option 2	Option 3	Option 4	Ans
Consider the following statements: Statement A: When tags are implemented with tag handlers written in Java, each tag in the library must be declared in the TLD with a tag element. Statement B: The tag element contains the tag name, the class of its tag handler, information on the tag's attributes and information on the variables created by the tag. Which of the following is true about these statements?	A is true and B is false	Both are true	A is false, B is true	Both are false	2
In JavaScript, for reading the contents inside the first paragraph tag which statement is used?	document.getElementsByTagName("p")[0].innertext()	None	document.getElementsByTagName("p[0]").innertext()	document.getElementsByTagName("p").innertext()	1
Which of the following is valid declaration in JSP using declaration tag?	<%@ String name="Anand" %>	<%= public String name="Anand";%>	<!% String name="Rocky"%>	<%! String name="Rocky";%>	4
Predict output of Expression Language $|7*k} if k is null:	Null	7	Error		1
What are the major areas PMD tool scans java code?	Possible performance bottlenecks	Coding Standards	Violation of best practice	All the listed options	4
What part of database trigger determines the number of times the trigger body executes?	Trigger type	Trigger event	Trigger timing	Trigger body	1

Question	A	B	C	D	Ans

What will be the output for following code?
public class Exception1{
public static void main(String args[]){
int i=1,j=1;
try{
i++;
j--;
if(i/j > 1)
i++;
}catch(AirthmeticException e) {
System.out.println(0);
}catch(ArrayIndexOutOfBoundsException e) {
System.out.println(1);
}catch(Exception e) {
System.out.println(2);
}
finally {
System.out.println(3);
}
System.out.println(4);
}
}
	print 34	print 1	print 034	print 3	3

XYZ Company database tables are accessed by several users but for few users need to be provided provision for updating information like address, phone number, email address in secured manner without providing direct access to underlying database base tables. What will the right solution you will implement in such scenerio to meet requirement?	Use database functions	Create views	Use database trigger	User cursors	2
Which of the following tag is used to specify the initialization parameters in the web.xml file?	<url-pattern>	<servlet-mapping>	<servlet>	<init-param>	4
Choose valid expression language statement for accesssing textfield elements whose name is userid.	${param.userid}	request.getParameter{"userid"}	#{param.userid}	None	1
Filters can create responses by themselves. State true or false.	TRUE	FALSE			2

Question	Option 1	Option 2	Option 3	Option 4	Answer
John wants to see how many employees are there whose salary is above average. Which of the following query will help john to achieve this task?	Select count(*) from emp where sal > (select avg(sal)) from emp);	Select count(*) from emp where sal exist (select avg(sal)) from emp);	Select count(*) from emp where sal > (select Average(sal)) from emp);	Select count(*) from emp where sal > (select max(sal)) from emp);	1
_____ are small amounts of data sent by a program to the browser and stored on the user's machine to be retrieved later.	Session variables	Application variables	Cookies	Objects	3
Consider you are maintaining XYZ company database. XYZ database tables are accessed by several usera to fetch daily reports by joining multiple tables found each user writes query which is more than 100 line of SQL statement and submits to server for processing in order to fetch results. This is really increasing the network traffic and also response time. What will the right solution you will implement in such scenerios in order to increase performance?	Create Stored Procedure	Create view	Create Trigger	Create index	1
What does XSL stands for?	Extensible StyleSheet Language	Extensible Style Language	Extensive StyleSheet Language	None	1
Which parser is a W3C standard?	SAX	DOM	XHTML	None	2
You are developing a web application using Servlets. You have to use filters so that the web container intercepts the incoming requests before it is forwarded to the servlet. Which of the following method is called for every request intercepted by the filter?	doGet	destroy	init	doFilter	4

Smith is developing an application using Java Server Pages. The name of the component that he has created is "Emp".he has included the following statement in her application: <jsp:setProperty name="Emp"property=*/> What would be the result of the above code?	It will give run time error	It will iterate over the current ServletRe quest parameter s and setting each matched property to the value of matching parameter	It will iterate over the current ServletRequest parameters and would not set any property to the value of matching parameter	It will iterate over the current ServletRequ est parameters and getting each property to the value of matching parameter	2
Which method of jsp is equivalent to service method of servlet?	service()	_jspServic e()	jsp_Service()	jspService()	2
Consider the development scenerio where you have created Employee class with implementation code and as per the project requirement you have to ensure that developer in team reusing code written in Employee class only using inheritence by extending the employee class but not by creating the instance of Employee object directly. Please suggest the solution to implement given requirement?	Make Employee class methods public	Make Employee class methods private	Make Employee class with final keyword	Make Employee class with abstract keyword	4

public class Person
{
private String name;
public Person(String name) { this.name = name;}
public boolean equals(Person p)
{
return p.name.equals(this.name);
}
}
Which statement is true?
	This class must also implement the hashCode method as well	The equals method does NOT proprely override the Object class's equals method	The code will compile as Object class's equals method as well	Compilation fails because the private attribute p.name cannot be accessed	1

Consider you are developing a JDBC application, where you have to retrieve quarterly report from databse by executing database store procedure created by databse developer. Which statement API you will use to execute store procedure and retrieve resultSet information?	PreparedStatement	None	CallableStatement	Statement	**3**
Translation and Complitaion of JSP happens during:	Deployment	Execution	None	Undeployment	**1**
Enumeration is having remove() method. State true or false.	TRUE	FALSE			**2**
If your JDBC connection is in auto-commit mode,which it is by default, then every SQL statement is committed to the databse upon its completion. State true or false.	TRUE	FALSE			**1**
What are the types of refactoring?	Method Level	Logical Structure	Class Level Structure	Physical Structure	**1,3,4**
Which of the following statements is correct about an Exception?	It occurs during linking	It occurs at run-time	It occurs during compilation	It occurs during Just-In-Time Compilation	**2**
Consider the following code foe an HTML form. <form action=?/servlet/Login?> <input type=?text? name=?username? value=?enter username?/> <input type=?submit? name=?sbbutton> value=?signin!..?/> </form> Which of the following happens upon pressing the submit button in the above form?	A request is sent with HTTP method GET	A request is sent with HTTP method POST	The parameter username is the only parameter passed to the web server in the request	The parameter username and sbbutton are passed to the web server in the request URL	**1,4**
Which of the following statements is incorrect about delegate?	Delegates are object oriented	Delegates are reference types	Only one method can be called using a delegate	Delegates are type-safe	**3**

select the right coding best practices followed while using java Collections.	Copy collections into other collections by calling addAll() methods instead using iterator to copy each collection element	Use for loop instead of iterator	Use Collections with generic with same type of data	All the listed options	1,3
Which of the following is an empty tag in HTML?	 	<input>	<h1>	<a>	1
Which of the following used by container to validate a custom tag in a JSP page?	Tag Library Descriptor	web.xml	Xmlspy	Xerces	1
identify the type of variable declared VARIABLE City Vatchar2(20).	Host Variable	Bind Variable	Invalid Variable declaration	Global Variable	2
BufferedWriter constructor CAN ACCEPT Filewriter Object as a parameter. state true or false.	TRUE	FALSE			1
Which of the following are used for executing client side script?	JSP	Servlets	JavaScript	VBScript	3,4
An art of identifying, organizing, controlling and verifying the modifiaction to the software work products built by the developer.	HCM	SDLC	SVN	SCM	4
Method keySet() in Map returns a set view of the keys contained in that map. State true or false.	TRUE	FALSE			1
Consider you are developing java application in a team consists of 20 developers and you have been asked to develop class by Name ProgrammerAnalyst and to ensure that other developers in team use ProgrammerAnalyst class only by creating object and team member should not be given provision to inherit and modify any functionality written in ProgrammerAnalyst class using inheritance. how do you achieve this requirement in development scenerio?	Declare the Programmer Analyst class as final	Declare the ProgrammerAnalyst class as abstract	None of the listed options	Declare the Programmer Analyst class as private	1

Question	Option 1	Option 2	Option 3	Option 4	Answer
sam is writing a web application program. he has implemented ServletcontextListener interface in his web application program. Which method of ServletContextlistener interface he should use to perform startup activities foe web application?	initiateContext()	start()	init()	contextInitialized()	**4**
How can you execute a stored procedure in the database?	Call method run() on a ProjectCommand Object	Call method executeProcedure() on a Statement Object	Call method execute() on a StoredProcedure Object	Call method execute() on a CallableProcedure Object	**4**
Which statement is true about Java server pages?	Used to build dynamic web pages	all of the listed options	Platform dependent	HTML files with special tags that contain java source code to generate dynamic content	**1,4**
Consider a development scenerio where you want to write the object data into persistence storage devices (like file,disk etc.). using which of the below concept you can achieve the given requirement?	Deserialization	Finalization	Serialization	Synchronization	**3**
An ObjectInputstream deserializes objects previously written using an ObjectOutputStream. state true or false.	TRUE	FALSE			**1**
You have a row level BEFORE UPDATE trigger on the EMP table. This trigger contains a SELECT statement on the EMP table to ensure that the new salary value falls within the minimum and maximum salary for a given job title. What happens when you try to update a salary value in the EMP table?	The Trigger fails because you cannot use the minimum and maximum functions in a BEFORE UPDATE trigger	The Trigger fails because a SELECT statement on the table being updated is not allowed	The Trigger fires successfully	The trigger fails because it needs to be a row level AFTER UPDATE trigger	**3**

Consider the following statements: Statement A: A resource is passive when it does not have any processing of its own. Statement B: The content of a passive resource does not change. Which of the following is true about these statements?	A is true and B is false	Both are true	A is false, B is true	Both are false	2

What will be the output for following code?
 	
public class CompareStrings{
 	
public static void main(String [] args){
 	
String a= new String("string");
String s= new String("string");
if(a == s)
 	
System.out.println(""both strings are equal"");
 	
else
 	
System.out.println(""both strings are not equal"");
 	
}
 	
}
	compilation error	both strings are not equal	both strings are equal	Strings cannot be compared using == operator	2

Which of the following statements are true? Statement 1: When athread is sleeping as a result of sleep(), it releases its locks. Statement 2: The Object.wait() method can be invoked only from a syncronized context.	Stmt 1 is true and stmt 2 is false	Both are true	Stmt 2 is true and stmt 1 is false	Both are false	3

Question	Option 1	Option 2	Option 3	Option 4	Ans
Which of the following describes JSP life cycle management?	none	loading invoking, destroy. user should manage this life cycle	invoking,destroy, web browser manages this life cycle	Translation & compilation, Instantiation, initialization, service destroy container manages this life cycle	4
How do you declare a tag library within a JSP page to use custom tags?	By using unique variable	By using scriptlet	By using taglib directive	By using path to the tag handler	3
What will be the output of below query? select to_CHAR(sysdate+(10/400),'HH:MI:SS') from dual;	query contains error	adds 10 minutes to the current timestamp	adds 10 days to the current timestamp	adds 10 seconds to the current timestamp	2
"Consider Vijay is developing web page using HTML. Which method he can use for sending data security on submitting the form? I. POST II. GET"	II	I	Both I & II	None	2
Automatic page refresh can be done by using refresh Meta Tag. State true or false.	TRUE	FALSE			1
Consider the following deployment descriptor(web.xml) file: <session-config> <session-timeout> 30 </session-timeout> </session-config> Then, in the Servlet program code setMaxInactiveInterval(600)(seconds)for the session object is invoked. After how long would session expire?	30 minutes	10 minutes	gives illegalStateException	None	1

Which attribute of the @ Register directive indicates the name you want to associate with the user control for the current page?	TagName	Src	Cntrl	TagPrefix	4
Which of the following is a marker interface used for object serialization?	Externalization	Runnable	Serialization	None	4