QuestionText	Choice1	Choice 2	Choice3	Choice4	Choice5	Grade1	Grade2	Grade3	Grade4	Grade5
Carefully read the question and answer accordingly. Which two of the following statements correctly store an object associated with a name at a place where all the servlets/JSPs of the same webapp participating in a session can use it? (Assume that request, response, name, value etc. are references to objects of appropriate types.) 1.response.setAttribute(name, value) 2.getServletContext().setAttribute(name, value) 3.request.setAttribute(name, value) 4.request.getSession().setAttribute(name, value) 5.request.setParameter(name, value)	1&2	1&3	2&3	2&4	1&4	0	0	0	1	0

Carefully read the question and answer accordingly.
Consider the following servlet code segment:
 HttpSession session = request.getSession(true);
 session.setAttribute("name", "Cognizant");
 session.invalidate(0);
 if (session.isNew())
 {
System.out.println(session.getAttribute("name");
 } else { System.out.println(session.isNew());
 }
 What is the output of the above code segment ?
	Displays "Cognizant" always	Displays "false" always	Throws exception	Depends on whether the session is newly created or not		0	0	1	0	

Question										

Carefully read the question and answer accordingly.
Consider the following code for 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?
==1.A request is sent with the HTTP method GET.==
2.A request is sent with the HTTP method POST.
3.The parameter username is the only parameter passed to the web server in the request.
==4.The parameters username and sbbutton are passed to the web server in the request URL.==
	1&2	1&3	2&3	2&4	==1&4==	0	0	0	0	==1==

Carefully read the question and answer accordingly.
Consider the following code snippet:
`ServletContext sc = this.getServletContext();`
`RequestDispatcher dis = sc.getRequestDispatcher("/menu.jsp");`
`if (dis != null){`
`dis.include(request, response);`
`}`
`PrintWriter out = response.getWriter();`
`out.print("Output after menu.jsp");`
Which one of the following will be the correct outcome when the above lines are executed?
	Compilation and output of the contents of menu.jsp only	==Compilation and output of the contents of menu.jsp followed by "Output after menu.jsp"==	Compilation error	Compilation, but runtime error, the buffer has been flushed		0	==1==	0	0	

Carefully read the question and answer accordingly. Which of the following options can be used by the controller to destroy a session of a web application immediately?	==By using the invalidate() method==	By setting the session-timeout parameter in the web.xml	By setting the setMaxInactiveInterval() method period to 60 seconds	By using the destroy() method		==1==	0	0	0	

		file to 1 minute							
Carefully read the question and answer accordingly. Given an HttpServletRequest request: 22. String id = request.getParameter("jsessionid"); 23. // insert code here 24. String name = (String) session.getAttribute("name"); Which statement can be placed at line 23 to retrieve an existing HttpSession object?	HttpSession session = request.getSession(id);	<mark>HttpSession session = request.getSession(true);</mark>	HttpSession session = request.getSession("jsessionid");	None of the listed options		0	<mark>1</mark>	0	0
Carefully read the question and answer accordingly. 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? Select one answer from the following.	30 minutes	<mark>10 minutes</mark>	Gives illegalState Exception	None of the listed options		0	<mark>1</mark>	0	0
Carefully read the question and answer accordingly. 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	<mark>web.xml</mark>		0	0	0	<mark>1</mark>

Question	Option 1	Option 2	Option 3	Option 4						
Carefully read the question and answer accordingly. Martin has created a Web application in which a servlet stores a JDBC URL as an attribute of the session object to access a database. He wants other servlets of the application to retrieve the URL attribute from the session object to access the database. Which of the following code snippets can Martin use to retrieve the URL from the session object?	HttpSession session = request.getSession(); String url =(String)session.getAttribute("URL");	HttpSession session = request.getSession(); String url =session.getAttribute("URL");	String url =(String)session.getSession("URL");	HttpServletRequest session = request.getSession(); String url =(String)session.getAttribute("URL");		1	0	0	0	
Carefully read the question and answer accordingly. Consider the following statements: Statement A: GenericServlet is an abstract class Statement B: GenericServlet internally implements Servlet interface Which of the following is true about these statements?	Statement A is true and statement B is true.	Statement A is true and statement B is false.	Statement A is false and statement B is true.	Statement A is false and statement B is false.		1	0	0	0	
Carefully read the question and answer accordingly. 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 initialize 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 destroy method in the servlet class.	By overriding the doGet method in the servlet class.		0	1	0	0	

Carefully read the question and answer accordingly.

Manoj has created the Hello servlet that displays 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>");
      out.println("<h>WELCOME</h>");
      out.println("</body>");
      out.println("</html>");
      out.close();
   }
}
```

Which of the following code snippets correctly defines the deployment descriptor for the preceding servlet?

Option A	Option B	Option C	Option D				

`<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>`
		`<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>`				

				0	1	0	0

Question	Option A	Option B	Option C	Option D				

Carefully read the question and answer accordingly.
Which of the following codes will allow the user to load the servlet using form. The form should first display submit button and when the user clicks on submit button it should load the servlet called myservlet?
	`<HTML>`
	`<BODY>`
	`<FORM ACTION= http://local host:8080/ servlet/my servlet METHOD =GET>`
	`</FORM>`
	`</BODY>`
	`</HTML>`
		`<HTML>`
		`<BODY>`
		`<FORM ACTION=ht tp://localho st:8080/ser vlet/myserv let METHOD= GET>`
		`<INPUT TYPE=SU BMIT VALUE=S UBMIT>`
		`</FORM>`
		`</BODY>`
		`</HTML>`
			`<HTML>`
			`<BODY>`
			`<INPUT TYPE=SU BMIT VALUE=S UBMIT>`
			`</FORM>`
			`</BODY>`
			`</HTML>`
				`<HTML>`
				`<BODY>`
				`<FORM ACTION= http://local host:8080/ servlet METHOD =GET>`
				`<INPUT TYPE=SU BMIT VALUE=S UBMIT>`
				`</FORM>`
				`</BODY>`
				`</HTML>`
					0	1	0	0

Carefully read the question and answer accordingly. Select the code to chain a servlet with another servlet	`RequestDi spatcher dispatcher = request.ge tRequestD ispatcher(" Servlet2"); dispatcher .forward(r eq, resp);`	`RequestDis patcher dispatcher = request.get RequestDis patcher("S ervlet2"); dispatcher. dispatch(re q, resp);`	`RequestDis patcher dispatcher = request.get RequestDis patcher("S ervlet2"); dispatcher. chain(req, resp);`	`request.se ndRedirec t("Servlet2 ");`	1	0	0	0
Carefully read the question and answer accordingly. Mahesh has observed that some users are able to directly access the content files stored in the Web application from the Web browser. Which of the following options should Mahesh use to prevent the users from directly accessing the content files?	By storing the content files under the dist directory	By storing the content files under the META-INF directory	By storing the content files under the WEB-INF directory	By storing the content files under the INF directory	0	0	1	0
Carefully read the question and answer accordingly. Which of the following is an interface that gets data from the client and sends it to the servlet?	ServletRe quest	ServletRes ponse	PrintStrea m	ServletCo nfig	1	0	0	0

Question	Option A	Option B	Option C	Option D	Option E	A	B	C	D	E
Carefully read the question and answer accordingly. 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	Application ID	Session ID		0	1	0	0	
Carefully read the question and answer accordingly. Which of the following is / are true about a firewall server?	Firewall server mainly focusses on network security within a LAN	One of the key tasks of firewall is routing between a cluster of servers	A Proxy server can be a firewall server	Based on rules set, the firewall server will filter the incoming requests over internet	A firewall server will add security tokens to the requests before passing to destination server	0	0	0.5	0.5	0
Carefully read the question and answer accordingly. HTTP cannot save state information between one request and other	TRUE	FALSE				1	0			
Carefully read the question and answer accordingly. If the application is associated with JDK, it will lead to lighter memory footprint compared associating the application to JRE	TRUE	FALSE				0	1			
Carefully read the question and answer accordingly. Consider the following statements: Statement A: Modules of Java code run in a server application is called Applet Statement B: Modules of Java code run at client side is called Servlet Which of the following is true about these statements?	Statement A is true and statement B is true.	Statement A is true and statement B is false.	Statement A is false and statement B is true.	Statement A is false and statement B is false.		0	0	0	1	
Carefully read the question and answer accordingly. Which method can be used to submit form data that should not be exposed for viewing?	PUT	GET	POST	REQUEST		0	0	1	0	

Question	Option A	Option B	Option C	Option D						
Carefully read the question and answer accordingly. Which of the following is NOT TRUE for the servlet?	Servlets are Platform Independent.	Servlets are robust and object oriented.	Servlets only contains business logic.	Each request in servlet runs in separate thread.		0	0	1	0	
Carefully read the question and answer accordingly. While architecting a system, if "minimum down time" is the primary expected behavior of the system, the system architecture should be based on -------------------	Firewall	Cluster	Application Servers	Proxy Server		0	1	0	0	
Carefully read the question and answer accordingly. 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?	Statement A is true and statement B is true.	Statement A is true and statement B is false.	Statement A is false and statement B is true.	Statement A is false and statement B is false.		1	0	0	0	
Carefully read the question and answer accordingly. Which of the following is / are true about the layered architecture style?	Layered architecture separates the functionalities to individual layers, thereby improving maintainability & reusability	Testing the communication across multiple layers is complex	Layered architecture can be used to increase or decrease the level of abstraction between layers	Development will be slower, because more layers to code & integration cost is higher		0.5	0	0.5	0	
Carefully read the question and answer accordingly. HttpServletRequest is a sub interface of _____.	HttpRequest	ServletRequest	HttpServlet	It is not a sub-interface		0	1	0	0	
Carefully read the question and answer accordingly. HTTP protocol allows asynchronous transactions between a client and server	TRUE	FALSE				1	0			

Question	Option A	Option B	Option C	Option D		A	B	C	D	
Carefully read the question and answer accordingly. The proposed web application need to access two databases, for performing the business operations. Which of the API in J2EE package will support to achieve this functionality?	JNDI	JTA	JPA	JMS		0	1	0	0	
Carefully read the question and answer accordingly. A server will serve a request. Application Server handles request that needs dynamic content, whereas a web server will handle the request for static content.	TRUE	FALSE				1	0			
Carefully read the question and answer accordingly. Which of the following is applicable to Servlet Containers?	These are specialized Web servers, which support servlet execution	These are responsible for managing the lifecycle of servlets, mapping a URL (Universal Resource Locator) to a particular servlet, and ensuring that the URL requester has got the correct access rights	These are also referred to as Web containers or Web engines.	All of the listed options		0	0	0	1	
Carefully read the question and answer accordingly. Which of the following can be considered as role(s) of a deployment descriptor in a .war or .ear modules?	provides security information of the application	to provide the configuration details on how the web server should use them to serve the	to provide listener information to notify certain classes when some events (like session	has to list down the external API's which are used in the web application		0.33	0.33	0.33	0	

		incoming requests	creation) happen							
Carefully read the question and answer accordingly. Which of the following methods are not implemented by the RequestDispatcher interface? 1.redirect() 2.forward() 3.include() 4.dispatch()	1&2	3&4	2&3	1&4		0	0	0	1	
Carefully read the question and answer accordingly. If 1000 users are accessing SampleServlet how many actual object of servlets exist in web container?	1000	1	10			0	1	0	0	
Carefully read the question and answer accordingly. In "n-tier" architecture style, the layers of a web application reside over multiple physical computers.	TRUE	FALSE				1	0			
Carefully read the question and answer accordingly. Which of the following tag is NOT a part of the web.xml file?	<servlet>	<action>	<param-name>	<param-value>		0	1	0	0	
Carefully read the question and answer accordingly. A web application contains images to be displayed across the UI screens. In a typical production environment, where these images will be deployed?	Application Server	Web Server	Proxy Server	Will be bundled inside the application, hence no need to deploy individually	None of the above	0	1	0	0	0

Question										
Carefully read the question and answer accordingly. For every HTTP request, static contents will be served by a web server, whereas if dynamic content is requested, web server forwards the request to application server.	TRUE	FALSE				1	0			
Carefully read the question and answer accordingly. Always the enterprise archive (EAR) files will be deployed in a web container	TRUE	FALSE				0	1			
Carefully read the question and answer accordingly. The method getWriter() of HttpServletResponse returns an object of type _____.	HttpServletRequest	PrintWriter	ServletContext	ServletConfig		0	1	0	0	
Carefully read the question and answer accordingly. Which of the following Java EE containers manages the execution of enterprise beans for Java EE applications?	EJB container	Web container	Application client container	Applet container		1	0	0	0	
Carefully read the question and answer accordingly. A proxy server will allow to cache web pages in your computer	TRUE	FALSE				1	0			
Carefully read the question and answer accordingly. Which are lifecycle methods of Servlet Interface? 1.public abstract void init(ServletConfig config) 2.public abstract void service(ServletRequest req, ServletResponse res) 3.public abstract void destroy(ServletContext) 4.public abstract void destroy()	1&2&3	2&3&4	1&2&4	3&2	3&4	0	0	1	0	0
Carefully read the question and answer accordingly. Websphere Application server is a open source server	TRUE	FALSE				0	1			

Question									
Carefully read the question and answer accordingly. Which of the following is / are true about web applications?	web application provides cross platform compatibility	Little or no diskspace is required on the client	Web applications allows the users to invoke from any device like mobile phones, tablets that has browsers	To access the application, the device like mobile phones, tablets, computers need to open the port for connectivity to web server		0.33	0.33	0.33	0
Carefully read the question and answer accordingly. If the proposed system to be developed to handle concurrent user requests, with reduced turn-around time & resource usage, then the architecture should employ ---------------	Firewall	Load Balancer	Application Servers	Web Server		0	1	0	0
Carefully read the question and answer accordingly. URL and URN are one and the same	TRUE	FALSE				0	1		
Carefully read the question and answer accordingly. Which of the following code line will destroy a session?	session.isAlive = false;	session.isNew(false)	session.invalidate()	session.removeSession()		0	0	1	0
Carefully read the question and answer accordingly. Which of the following techniques are used to track session?	URL rewriting	Cookies	Hidden Field	All of the listed options		0	0	0	1
Carefully read the question and answer accordingly. Mark is developing a web based application. The home page is a servlet that accepts the user name and password. Mark does not want the user to enter the username every time he logs into the website. He wants to find a way to store the value on the user's machine. Which method should he use so that the value gets stored on the user's machine?	getCookie()	addCookie()	addSession()	getSession()		0	1	0	0

Question	A	B	C	D						
Carefully read the question and answer accordingly. HTTP is stateful protocol which maintains clients state automatically. State True or False.	FALSE	TRUE				1	0			
Carefully read the question and answer accordingly. Which of the following method of the HttpServletRequest object is used to get the clients session information in the HttpSession object?	putValue()	doPost()	getSession()	getValue()		0	0	1	0	
Carefully read the question and answer accordingly. Which statements about session timeouts are true?	Session timeout declarations made in the DD(web.xml) can specify time in seconds.	Session timeout declarations made in the DD(web.xml) can specify time in minutes.	Session timeout declarations made programmatically can specify time only in seconds.	Session timeout declarations made programmatically can specify time either in minutes or seconds.		0	1	0	0	
Carefully read the question and answer accordingly. A container does not initialize the servlets as soon as it starts up, it initializes a servlet when it receives a request for that servlet first time. This is called lazy loading.State True or False.	TRUE	FALSE				1	0			
Carefully read the question and answer accordingly. Which method of HttpSession interface is used for specifying the length of inactive interval for a session object?	setMaxInterval()	setMaxInactiveInterval()	setMaxInactive_interval()	setInactiveInterval()		0	1	0	0	
Carefully read the question and answer accordingly. Which of the following listeners are invoked when a session is created?	HttpSessionBindingListener	HttpListener	HttpSessionListener	HttpSessionAttributeListener		0	0	1	0	
Carefully read the question and answer accordingly. Given that URL-rewriting must be used for session management, identify the query string attribute used when URL-rewriting.	sessionid	jsessionid	servletid	containerid		0	1	0	0	

Question										
Carefully read the question and answer accordingly. Which two of the following are true statements about sessions? 1.Sessions are destroyed only after a predefined period of inactivity 2.Sessions can span web applications 3.Sessions can be cloned across JVMs 4.You can use the deployment descriptor to cause sessions to expire after a set number of requests 5.Sessions can be set to never time out	1&2	1&3	2&3	3&5	1&5	0	0	0	1	0
Carefully read the question and answer accordingly. How can an existing session in servlet can be destroyed ? 1.programmatically using session.invalidate() 2.by calling session.service() method 3.by closing the browser 4.when the server itself is shut down	1&2	1&3	2&3	2&4	1&4	0	0	0	0	1
Carefully read the question and answer accordingly. Servlet A receives a request that it forwards to servlet B within another web application in the same web container. Servlet A needs to share data with servlet B and that data must not be visible to other servlets in A's web application. In which object can the data that A shares with B be stored?	HttpSession	HttpServletResponse	ServletContext	HttpServletRequest		0	0	0	1	

Question	Option A	Option B	Option C	Option D			A	B	C	D
Carefully read the question and answer accordingly. Choose the valid option for creating session object and to add a attribute "BOOKID" into session object.	public void doGet(HttpServletRequest req, HttpServletResponse res) throws ServletException, IOException { HttpSession session = req.getSession(); session.setAttribute("BookID","Core Java"); }	public void doGet(HttpServletRequest req, HttpServletResponse res) throws ServletException, IOException { session = req.getSession(); session.getAttribute("BookID","Core Java"); }	public void doGet(HttpServletRequest req, HttpServletResponse res) throws ServletException, IOException { Session session = req.getSession(); session.setAttribute("BookID","Core Java"); }	None of the listed options		1	0	0	0
Carefully read the question and answer accordingly. How do you create a session?	request.getSession()	request.createSession()	request.getSessionObject()	request.makeSession()		1	0	0	0
Carefully read the question and answer accordingly. In which of these following getAttibute() and setAttribute() method has defined? 1.HttpSession 2.ServletRequest 3.ServletResponse 4.HttpListener	1&3	2&3	1&2	3&4		0	0	1	0
Carefully read the question and answer accordingly. Which of the following Listener can get context init parameter and run some code before rest of the application can service a client?	ServletContextAttributeListener	ServletContextListener	HttpSessionListener	None of the listed options		0	1	0	0

Question	A	B	C	D	E					
Carefully read the question and answer accordingly. If you want to know when a request attribute has been removed,added or replaced, then which listener is the appropriate one?	ServletRequestListener	ServletRequestAttributeListener	HttpRequestListener	None of the listed options		0	1	0	0	
Carefully read the question and answer accordingly. Which of the following Listener is used to track number of active sessions or users?	ServletRequestListener	ServletRequestListener	HttpSessionListener	HttpSessionBindingListener		0	0	1	0	
Carefully read the question and answer accordingly. Which one is required as a sub-element of listener tag in Deployment Descriptor?	<listener-type>	<listener-class>	<listener-attribute>	None of the listed options		0	1	0	0	
Carefully read the question and answer accordingly. 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 for web application?	init()	initiateContext()	contextInitialized()	start()		0	0	1	0	
Carefully read the question and answer accordingly. How will you retrieve the first value of request parameter "fname"? 1.${param.fname} 2.${requestParams.fname} 3.${requestScope.fname} 4.${paramValues.fname[0]}	1&3	2&3	1&2	1&4		0	0	0	1	
Carefully read the question and answer accordingly. How will you access a servlet context initialization parameter named "company-name"?	${init.company-name}	${init['company-name']}	${initParam["company-name"]}	${contextParam.company-name}		0	0	1	0	
Carefully read the question and answer accordingly. Which of following are EL implicit objects? 1.pageContext 2.parameter 3.parameterValues 4.header 5.session	1&4	2&4	3&4	4&5	1&5	1	0	0	0	0

Question	A	B	C	D		Ans A	Ans B	Ans C	Ans D	
Carefully read the question and answer accordingly. What is the syntax of Expression Language in a JSP page?	${expr}	#{expr}	${"expr"}	$[expr]		1	0	0	0	
Carefully read the question and answer accordingly. Predict output of Expression Language ${7*k} if k is null:		null	7	error		1	0	0	0	
Carefully read the question and answer accordingly. Expression Language treats null values as "zero" In arithmetic operations.State True or False.	TRUE	FALSE				1	0			
Carefully read the question and answer accordingly. Consider the following servlet code segment: Map map = new HashMap(); map.put("a", "1"); map.put("b", "2"); map.put("c", "3"); map.put("d", "4"); request.setAttribute("map", map); String[] names = {"a", "b", "c", "d"}; request.setAttribute("names" , names); What does ${map[names[0]]} return?	a	Nothing will be displayed	1	None of the listed options		0	0	1	0	
Carefully read the question and answer accordingly. <% List list=new ArrayList(); list.add("a"); list.add("2"); list.add("c"); request.setAttribute("list",list); request.setAttribute("number","1"); %> Based on the above code segment, which of the following will display "c"? 1.${list[2]} 2.${list.2} 3.${list[number+1]} 4.${list.3}	1&3	2&3	2&4	3&4		1	0	0	0	

Question	A	B	C	D	E					
Carefully read the question and answer accordingly. Which of the following EL implicit objects is not a Map?	requestScope	initParam	headerValues	pageContext		0	0	0	1	
Carefully read the question and answer accordingly. Code to get the value of "address" request parameter is:	${param.address}	${Values.address}	${request.address}	None of the listed options		1	0	0	0	
Carefully read the question and answer accordingly. Choose valid expression language statement for accessing textfield elements whose name is userid.	#{param.userid}	${param.userid}	request.getParameter("userid");	None of the listed options		0	1	0	0	
Carefully read the question and answer accordingly. Consider the code segment given below: List list = new ArrayList(); list.add("1"); list.add("2"); list.add("3"); list.add("4"); request.setAttribute("list", list); String[] names = {"a", "b", "c", "d", "e"}; What will ${names[list[0] + 1]} display?	a,b	b	c	a,b,c		0	0	1	0	
Carefully read the question and answer accordingly. Select correct options with respect to Expression Language (EL) used in JSP 1.The purpose of EL is to make a JSP script free 2.EL is a simple and powerful replacement of Standard Actions 3.EL is enabled in a JSP by default 4.EL stands for Extended Language	1&2	1&2&3	2&3	1&2&4	2&3&4	0	1	0	0	0
Carefully read the question and answer accordingly. You have a map named "carMap" with a key named "Ford". Select correct EL syntaxes to print the value of this key. 1.${carMap.Ford} 2.${carMap.[Ford]} 3.${carMap["Ford"]} 4.${carMap[Ford]}	1&2	1&3	2&3	2&4	1&4	0	1	0	0	0

Question	Option A	Option B	Option C	Option D						
Carefully read the question and answer accordingly. Consider the following statements: Statement A: A tag library descriptors an XML document that contains information about a library as a whole and about each tag contained in the library. Statement B: TLDs are used by a Web container to validate the tags used by JSP page development tools. Which of the following is true about these statements?	Statement A is true and statement B is true.	Statement A is true and statement B is false.	Statement A is false and statement B is true.	Statement A is false and statement B is false.		1	0	0	0	

Carefully read the question and answer accordingly.
`<?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>`
`<uri>testuri</uri>`
`<tag>`
`<name>helloworld</name>`
`<tag-class>com.cts.MyTagHandler</tag-class>`
`<body-content>empty</body-content>`
`<attribute>`
`<name>attrb</name>`
`<required>true</required>`
`<rtexprvalue>true</rtexprvalue>`
`</attribute>`
`</tag>`
`</taglib>`
For above mentioned .tld select correct tag usage option in JSP page.
	`<%@ taglib prefix="pre" uri="testuri" %> <html> <head> <title>Demo on helloworld Custom tag</title> </head> <h1> <pre:helloworld/> </h1> </html>`	`<%taglib prefix="pre" uri="testuri" %> <html> <head> <title>Demo on helloworld Custom tag</title> </head> <h1> <pre:helloworld attrib="John"> </h1> </html>`	`<%@ taglib prefix="pre" uri="testuri" %> <html> <head> <title>Demo on helloworld Custom tag</title> </head> <h1> <pre:helloworld attrb="John"/> </h1> </html>`	`<%@ taglib prefix="pre" uri="testuri" %> <html> <head> <title>Demo on helloworld Custom tag</title> </head> <h1> <helloworld "attrb"="John"/> </h1> </html>`		0	0	1	0	

Question									
Carefully read the question and answer accordingly. 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?	Statement A is true and statement B is true.	Statement A is true and statement B is false.	Statement A is false and statement B is true.	Statement A is false and statement B is false.		1	0	0	0
Carefully read the question and answer accordingly. TagSupport and BodyTagSupport classes are present in which package?	java.servlet.jsp.tagext	javax.servlet.jsp.tag	javax.servlet.jsp.tag.ext	javax.servlet.jsp.tagext		0	0	0	1
Carefully read the question and answer accordingly. What is the output of the current code segment ? `<c:forTokens items="a,b,c,d,e" delims=","` `begin="0" end="4" step="2" var="alphabet">` `<c:out value="${alphabet}"/>` `</c:forTokens>`	a,c,e	b,d	a,b,c	c,d,e		1	0	0	0
Carefully read the question and answer accordingly. Which JSTL code snippet can be used to perform URL rewriting?	`<a href='<c:url url="cognizant.jsp"/>'/>`	`<a href='<c:link url="cognizant.jsp"/>'/>`	`<a href='<c:url value="cognizant.jsp"/>'/>`	`<a href='<c:link value="cognizant.jsp"/>'/>`		0	0	1	0
Carefully read the question and answer accordingly. Using prefix c to represent the JSTL library, which of the following produces the same result as <%= var %>?	`<c:var out=${var}>`	`<c:out value=${var}>`	`<c:out var="var">`	`<c:expr value=var>`		0	1	0	0
Carefully read the question and answer accordingly. Which standard tag you choose to implement the switch functionality using JSTL?	`<c:forEach>`	`<c:when>`	`<c:if>`	There is no standard tag for switch		0	1	0	0

Question	A	B	C	D	E					
Carefully read the question and answer accordingly. Which attribute of <c:if> specifies the conditional expression?	cond	check	expr	test		0	0	0	1	
Carefully read the question and answer accordingly. Which of following are standard JSTL? 1.http://java.sun.com/jstl/xml/fmt 2.http://java.sun.com/jstl/core/fmt 3.http://java.sun.com/jstl/xml 4.http://java.sun.com/jstl/sql 5.http://java.sun.com/jstl/core	1&2&3	2&3&4	1&2&4	3&2&5	3&4&5	0	0	0	0	1
Carefully read the question and answer accordingly. Consider the usage of JSTL forEach tag in the following code snippet: <c:foreach flag=errmsg items="${errorMsgs}"> $errmsg </c:forEach> The code snippet contains some errors. Predict the correct code.	 <c:forEach flag=errmsg items="${errorMsgs}"> $errmsg </c:forEach> 	 <c:forEach flag="errmsg" items="${errorMsgs}"> ${errmsg} </c:forEach> 	 <c:forEach flag="errmsg" items="${errorMsgs}"> $errmsg </c:forEach> 	 <c:forEach flag=errmsg items="${errorMsgs}"> ${errmsg} </c:forEach> 		0	1	0	0	
Carefully read the question and answer accordingly. If you would like the JSP container to first try to find the "myBeanAttribute" attribute in the request scope. If it's not existing then should create the instance of "MyBean" and then assign it to the "myBeanAttribute " id variable in JSP and sets it as an attribute to the request scope. Which of the given option will help you to attain this?	<jsp:useBean id="myBeanAttribute" class="com.cts.MyBean" scope="request" />	<jsp:useBean id="myBeanAttribute" class="com.cts.MyBean" />	<jsp:useBean id="myBeanAttribute" type="com.cts.MyBean" scope="request"/>	<jsp:useBean id="myBeanAttribute" type="com.cts.MyBean" />		1	0	0	0	

Carefully read the question and answer accordingly. 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 iterate over the current ServletRequest parameters setting each matched property to the value of the matching parameter	It will iterate over the current ServletRequest parameters getting each property to the value of the parameter	It will give a run-time error.	It will iterate over the current ServletRequest parameters and would not set any property to the value of the matching parameter		1	0	0	0
Carefully read the question and answer accordingly. Consider the following code snippet: <jsp:forward page="relativeURLspec"/> Which of the following statements is true about the execution status of the page where this statement has been written?	The execution of the current page continues.	The execution of the current page is terminated.	A run time error is displayed.	A message box stating for user's confirmation about termination or continuation of the application is displayed.		0	1	0	0
Carefully read the question and answer accordingly. In an web page how would you write the JSP standard action code to import a JSP segment that generates user preference specific content?	<jsp:include page="user-pref.jsp"> <jsp:param name="userPref" value="${user.preference}" />	<jsp:import page="user-pref.jsp"> <jsp:param name="userPref" value="${user.preference}" /> </jsp:include>	<jsp:import file="user-pref.jsp"> <jsp:param name="userPref" value="${user.preference}" /> </jsp:import>	<jsp:include path="user-pref.jsp"> <jsp:param name="userPref" value="${user.preference}" />		1	0	0	0

	`</jsp:include>`			`</jsp:include>`					

Carefully read the question and answer accordingly.
Given a servlet that stores an Account bean in the session scope with the following code snippet:
public void doPost(HttpServletRequest req, HttpServletResponse resp) {
    HttpSession session = req.getSession();
    com.cts.Account acc= new com.cts.Account();
 	
emp.setAccountNumber(req.getParameter("acc_num"));
    session.setAttribute("account", acc);
    RequestDispatcher page = req.getRequestDispatcher("index.jsp");
    page.forward(req, resp);
}
Which of these complete JSPs will print the account number?
	`<%= account.getAccountNumber() %>`	`<%= employee.getAccountNumber();%>`	`<jsp:useBean id="account" type="com.cts.Account" /> <%= employee.getAccountNumber(); %>`	`<jsp:useBean id="account" type="com.cts.Account" scope="session"/> <jsp:getProperty name="account" property="accountNumber" />`	`<jsp:useBean id="account" type="com.cts.Account" scope="session"> <jsp:getProperty name="account" property="accountNumber" /> </jsp:useBean>`	0	0	0	1	0

Carefully read the question and answer accordingly.
What is the effect of executing the following JSP statement, assuming a class with name Employee exists in com.cts package.
`<jsp:useBean id="employee" class="com.cts.Employee" scope="session"/>`
`<jsp:setProperty name="employee" property="*"/>`
	The code does not compile as property attribute cannot take * as a value.	The code sets value of all properties of employee bean to "*".	The code sets the values of all properties of employee bean with default values.	The code does not compile as there is no property attribute of setProperty tag.	None of the given option	0	0	0	0	1

Carefully read the question and answer accordingly.
 Consider the following code snippet of JSP Bean:
`<jsp:usebean identity="login" scope="Session" class=s.beans.LoginBean>`
`<%!`
`login.setValue(request.getParameter("Loginid"));`
`login.setAddress(request.getParameter("address"));`
`%>`
`<jsp:usebean>`
However the preceding code contains errors. Predict the correct code.
	`<jsp:useBean id="login" scope="Session" class="s.beans.LoginBean">`
	`<% login.setValue(request.getParameter("Loginid")); login.setAddress(request.getParameter("address")); %>`
	`</jsp:useBean>`
		`<jsp:useBean identity="login" scope="Session" class="s.beans.LoginBean"> <%! login.setValue(request.getParameter("Loginid")); login.setAddress(request.getParameter("address")); %>`
		`<jsp:useBean>`
			`<jsp:useBean id="login" scope="Session" class="s.beans.LoginBean">`
			`login.setValue(request.getParameter("Loginid"));`
			`login.setAddress(request.getParameter("address"));`
			`</jsp:useBean>`
				`<jsp:useBean id="login" scope="Session" class="s.beans.LoginBean">`
				`<login.setValue(request.getParameter("Loginid")); />`
				`<login.setAddress(request.getParameter("address"));/>`
				`</jsp:useBean>`
						1	0	0	0

Carefully read the question and answer accordingly. Lisa is a web developer she developing dynamic web application using JSP. She want to include "Header.jsp" in all JSP page which she have designed. Which of the following statement includes Header.jsp file? 1.`<jsp:include page="Header.jsp"/>` 2.`<jsp:include file="Header.jsp"/>` 3.`<%@include file="Header.jsp"%>` 4.`<%@include page="Header.jsp"%>`	1&3	2&3	1&2	3&4		1	0	0	0

Question	Option A	Option B	Option C	Option D					

Carefully read the question and answer accordingly.
For the given Employee class
package com.cts;
public class Employee{
  private String strEmpID="";
  public String getEmpId() {
    return this.strEmpID;
  }
  public void setEmpId(String strEmpID){
 this.strEmpID=strEmpID;
 }
}
We have the JSP file
<jsp:useBean id="employee" class="com.cts.Employee" scope="request">
  <property name="person" property="empId" value="<%= request.getParameter("empId")%>" />
</jsp:useBean>
<html>
<body>
Employee Id:
</body></html>
Identify the JSP tag from the given options to print the employee id.
	<jsp:getProperty name="employee" property="strEmpID" />	<Jsp:getProperty name="employee" property="EmpID"/>	<Jsp:getProperty name="employee" property="empId"/>	<jsp:getProperty name="employee" property="employee.empId"/>		0	0	1	0	

Carefully read the question and answer accordingly. Your web application views all have the same header which includes <title> tag in the <head> element of the rendered HTML. You have decided to remove the redundant HTML code from your JSPs and put into a single JSP called /WEB-INF/jsp/header.jsp. However, the title of each page is unique, so you have decided to use variable called pageTitle to parameterize this in the header JSP like this: <title> ${param.pageTitle}</title> Which JSP code snippet you use in your main view JSPs to insert the header and pass the pageTitle variable?	<jsp:insert page='WEB-INF/jsp/header.jsp'> <jsp:param name='pageTitle' value="Welcome Page" /> </jsp:include>	<jsp:include page='WEB-INF/jsp/header.jsp'> <jsp:param name='pageTitle' value='Welcome Page'/> </jsp:include>	<jsp:include file='WEB-INF/jsp/header.jsp'> ${pageTitle='Welcome Page'} </jsp:include>	<jsp:insert file='WEB-INF/jsp/header.jsp'> <jsp:param name='pageTitle value="Welcome Page" /> </jsp:insert>		0	1	0	0	

Question	Option A	Option B	Option C	Option D						
Carefully read the question and answer accordingly. Identify the different values which a scope attribute of a <jsp:useBean>action can set?	page, request, session and application.	page and request only	page, request, response and application	page, response, session and application		1	0	0	0	
Carefully read the question and answer accordingly. Lisa is a systems programmer at ABC Consultants. She has written an application to accept student marks in the variable marks. If the student has scored marks greater than 60. She needs to forward the control of the program to another file called as "Ex.jsp" else the control should be forwarded to a file called as "Av.jsp". Which of the following code snippets should she use for checking this condition and forward control?	<% if(Integer.parseInt(request.getParameter("marks"))>=60) { %> <jsp:forward page="Ex.jsp" /> <% } else { %> <jsp:forward page="Av.jsp" /> <% } %>	<% if (request.retrieveParameter("marks"))>=60) { %> <jsp:moveforward page="Ex.jsp"> </jsp:forward> <% } else { %> <jsp:moveforward page="Av.jsp"> </jsp:forward> <% } %>	<% if (request.getParameter("marks"))>=60) { %> <jsp:forward page="Ex.jsp" /> <% } else { %> <jsp:forward page="Av.jsp"> <% } %>	<% if (request.getParameter("marks"))>=60) { %> <jsp:jspp
ram="Ex.jsp"> </jsp:forward> <% } else { %> <jsp:jsppa ram="Av.jsp"> </jsp:forward> <% } %>		1	0	0	0	
Carefully read the question and answer accordingly. Identify the different actions which are generally used while integrating JavaBeans with JSP?	<jsp:useBean><jsp:setProperty> and <jsp:getProperty>	<jsp:useBean> and <jsp:include>	<jsp:setProperty> <jsp:getProperty> and <jsp:forward>	<jsp:useBean> and <jsp:plugin>		1	0	0	0	
Carefully read the question and answer accordingly. 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?	IsThreadSafe	Info	autoflush	extends		1	0	0	0	

Question	A	B	C	D					
Carefully read the question and answer accordingly. Sally has written the following code to access the Employee bean that has already been created with the property called EmpNumber: `<html>` `<body>` `<jsp:useBean id="employee" scope="session" class="Employee" />` `<b> The current count for the Employee bean is:</b> <%employee.getEmpNumber()%>` `</body>` `</html>` The bean has the following code in the getEmpNumber method: `public int getEmpNumber()` `{` `EmpNumber++;` `return this.EmpNumber;` `}` Which of the following statements is true about the output of the above code when the page is loaded and reloaded?	The value will be incremented everytime the page is loaded.	The value will be always displayed as 1.	The syntax error would be displayed.	The value will be equal to 10.		1	0	0	0
Carefully read the question and answer accordingly. Which of the following objects of JSP contain the servlet configuration?	config	application	out	page		1	0	0	0
Carefully read the question and answer accordingly. Which of the following variable represents the uncaught throwable object that resulted from a call to the error page in JSP?	Application	Config	Exception	Request		0	0	1	0
Carefully read the question and answer accordingly. Which object of JSP holds reference to javax.servlet.http.HttpSession object?	session	request	response	PageContext		1	0	0	0

Question	A	B	C	D								
Carefully read the question and answer accordingly. 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 date as mm:dd:yy.	It will display the date and time.	It will display time as hh/mm/ss.	It will display the current time as hh:mm:ss.		0	0	0	1			
Carefully read the question and answer accordingly. Scripting can be blocked in a jsp by:	Putting <scripting-invalid> element in web.xml	Declaring <scripting-invalid> tag at the top of JSP page	Putting scripting-invalid=true attribute in form tag	Scripting can't be blocked		1	0	0	0			
Carefully read the question and answer accordingly. Gen wants to create a new JSP page. Which element of JSP provide global information about an entire JSP page?	Scriptlet	Directive	Expression	Declaration		0	1	0	0			
Carefully read the question and answer accordingly. Manisha is creating an application which makes use of Java Server pages. Which of the following implicit object she should use to get a reference to the JSPWriter?	out	in	request	response		1	0	0	0			
Carefully read the question and answer accordingly. The purpose of a JSP Expression tag is to:	Print something on the screen	Declare a variable	Import a java class	Write a block of java code		1	0	0	0			
Carefully read the question and answer accordingly. A scriptlet contains Java code that is executed every time a JSP is invoked.State True or False.	TRUE	FALSE				1	0					

Carefully read the question and answer accordingly. You are developing dynamic web application using JSP. Which attribute of page directive specifies the list of classes imported in the JSP file?	import	session	extends	language		1	0	0	0
Carefully read the question and answer accordingly. 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>		1	0	0	0
Carefully read the question and answer accordingly. Which of the following is valid declaration in JSP using declaration tag?	<!% String name="Rocky" % >	< %! String name="Rocky"; % >	< %@ String name="Anand" % >	< %= public String name="Anand"; % >		0	1	0	0
Carefully read the question and answer accordingly. Which of the following attributes of page directive are invalid?	isELIgnored	isScriptingEnabled	session	language		0	1	0	0
Carefully read the question and answer accordingly. 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.	<form method=" post" action="H eader.html ">	<%@ include file="Heade r.html" %>	<jsp:forwar d page="Hea der.html">	<% page import="H eader.html " %>		0	1	0	0

Question	Option A	Option B	Option C	Option D					
Carefully read the question and answer accordingly. Consider you are developing web application which following code snippet listed depicts that the JSP page is an errorpage?	<%@ page isErrorPage="true" %>	<%@ page ErrorPage="true" %>	<%@ page isErrorPage="false" %>	<%@ page ErrorPage="false" %>		1	0	0	0	
Carefully read the question and answer accordingly. Given the JSP code: <% request.setAttribute("foo", "bar"); %> and the Classic tag handler code: 5. public int doStartTag() throws JspException { 6. // insert code here 7. // return int 8. } Assume there are no other "foo" attributes in the web application. Which invocation on the pageContext object, inserted at line 6, assigns "bar" to the variable x?	String x = (String) pageContext.getAttribute("foo");	String x = (String) pageContext.getRequestScope("foo");	It is NOT possible to access the pageContext object from within doStartTag.	String x = (String) pageContext.getRequest().getAttribute("foo");		0	0	0	1	
Carefully read the question and answer accordingly. Consider you are developing web application. Which of the following option is a valid in JSP for importing the package?	<%@ page import="java.util.*" %>	<%@ page session="true*" %>	<%@ include import="java.util.*" %>	<%@ include autoFlush="java.util.*" %>		1	0	0	0	
Carefully read the question and answer accordingly. Consider you are creating a JSP page. You want to use the classes of java.util package. Which statement will you use to import the java.util package?	<%@ page import="java.util.*" %>	<% page import java.util.* %>	<% import="java.util.*" %>	<% import java.util.* %>		1	0	0	0	
Carefully read the question and answer accordingly. What is the use of ServletConfig interface?	A servlet configuration object used by a servlet container to pass information to a servlet during	The ServletConfig object is contained within the ServletContext object.	Defines an object to provide client request information to a servlet	All of the listed options		1	0	0	0	

	initialization								
Carefully read the question and answer accordingly. Which method binds an object to a given attribute name in this ServletContext interface?	void setAttribute(String name, Object object)	void setAttribute (String name, String value)	void setAttribute (Object object,String name)	void setAttribute(Object object, Object object)		1	0	0	0
Carefully read the question and answer accordingly. Which of the following interface represents the Servlet Config for the current Servlet?	javax.servlet.ServletConfig	javax.Servlet.Config	javax.Config	Servlet.Config		1	0	0	0
Carefully read the question and answer accordingly. ServletConfig comes into picture _____.	after init() runs	after constructor runs	after service() runs	after servlet is loaded		0	1	0	0
Carefully read the question and answer accordingly. Which of the following tag is used to specify the initialization parameters in the web.xml file?	<init-param>	<servlet>	<servlet-mapping >	<url-pattern>		1	0	0	0
Carefully read the question and answer accordingly. What is the return type of getAttribute() method of HttpServletRequest ?	Object	String	Attribute	None of the listed options		1	0	0	0
Carefully read the question and answer accordingly. Which method of ServletConfig interface returns a String containing the value of the named initialization parameter, or null if the parameter does not exist?	getInitParameter(String name)	getParameter()	getServletName(String name)	getInitParameterName(String name)		1	0	0	0
Carefully read the question and answer accordingly. Which method removes the attribute with the given name from the ServletContext interface?	void flushAttribute(String name)	void clearAttribute(String name)	void removeAttribute(Object name)	void removeAttribute(String name)		0	0	0	1

Question	Option A	Option B	Option C	Option D					
Carefully read the question and answer accordingly. Which of the following is valid _jspService() method signature?	private void _jspService(HttpServletRequest request, HttpServletResponse response)throws ServletException, java.io.IOException	public void _jspService(HttpServletRequest request, HttpServletResponse response)throws ServletException, java.io.IOExxception	public void _jspService(HttpServletRequest request, HttpServletResponse response)throws ServletException	public void _jspService(HttpServletRequest request, HttpServletResponse response)throws java.io.IOException		0	1	0	0
Carefully read the question and answer accordingly. If an error occurs while the JSP page is being compiled, the server will return a Exception. Identify the type of the Exception	ParseException	JasperException	CompilerException	JSPCompilerException		0	1	0	0
Carefully read the question and answer accordingly. When a JSP is executed, out of the following, what is most likely to be sent to the client?	The source JSP file	The source Servlet file	HTML	The compiled Servlet file		0	0	1	0
Carefully read the question and answer accordingly. _jspService() method cannot be overridden by the author. Say True or False	TRUE	FALSE				1	0		
Carefully read the question and answer accordingly. Consider the following code with line number given below: Line 4: <%! int a=6; %> Line 5: <% int b=8; %> Line 6: Result is <%= a*b; %> Which of the following are true with respect to the above code segment?	Line 4 is invalid	Line 5 is invalid	Line 6 is invalid	It will compile successfully and print 48		0	0	1	0
Carefully read the question and answer accordingly. JSP files stored in the WEB-INF directory cannot be seen directly from a visiting web browser. Say True or False	TRUE	FALSE				1	0		

Question	A	B	C	D					
Carefully read the question and answer accordingly. During the JSP translation if the translator encounters a malformed JSP element), the server will return Exception. Identify the type of the Exception.	ParseException	JasperException	MalformedElementException	TranslationException		1	0	0	0
Carefully read the question and answer accordingly. Which of the following methods can not be over-ridden ?	jspInit()	_jspService()	jspDestroy()	None of the listed options		0	1	0	0
Carefully read the question and answer accordingly. JSP syntax errors are caught during which lifecycle event of JSP?	Execution	Compilation	Translation	Container doesn't mind JSP syntax errors		0	0	1	0
Carefully read the question and answer accordingly. Identify the life cycle method that is called to initialize the instantiated servlet instance.	jspInitialize()	jspInitit()	jspInit()	jspInitialization()		0	0	1	0
Carefully read the question and answer accordingly. _jspService() method is called only for the first time a request comes to jsp during its lifecycle	TRUE	FALSE				0	1		
Carefully read the question and answer accordingly. Identify the location in which the translated JSP servlet code will be stored	WEB-INF	WEB-INF/classes	It depends on the servlet container settings	WEB-INF/class		0	0	1	0
Carefully read the question and answer accordingly. A Java Server Page (JSP) cannot be deployed in web server	TRUE	FALSE				0	1		
Carefully read the question and answer accordingly. Translation and Compilation of JSP happens during:	Deployment	Execution	Undeployment	None of the listed options		1	0	0	0
Carefully read the question and answer accordingly. jspInit() method can be overridden by the author. Say True or False	TRUE	FALSE				1	0		

Question								
Carefully read the question and answer accordingly. Which of the following describes the jsp life cycle process best?	JSP page is translated to a servlet, servlet is loaded into memory, code is compiled, instance is created	JSP page is translated to a servlet, code is compiled, servlet is loaded into memory, instance is created	JSP is compiled, JSP page is translated to a servlet, code is loaded, instance is created	JSP is loaded into memory, Code is compiled, instance is created		0	1	0	0
Carefully read the question and answer accordingly. Which protocol Servlets and JSP use to communicate with clients?	HTTP	FTP	SMTP	No need of any protocol		1	0	0	0
Carefully read the question and answer accordingly. Identify the method in which all our scriptlets code will be placed	jspInit()	jspService()	_jspService()	jspInitialization()		0	0	1	0
Carefully read the question and answer accordingly. While overriding the destroy method(life cycle method), we should always handle the JasperExpception. Say true or false	TRUE	FALSE				0	1		
Carefully read the question and answer accordingly. Which of the following tag disables scriplets?	<is-scripting-invalid>	<scripting-invalid>	<scripting-disabled>	None of the listed options		0	1	0	0
Carefully read the question and answer accordingly. In JSP request implicit object is of which type?	HttpServletRequest	ServletHttpRequest	ServletRequest	HttpRequest		1	0	0	0
Carefully read the question and answer accordingly. Which of the following is NOT a Container feature?	Servlet lifecycle management	Multithreading support	JSP support	Application Controller		0	0	0	1

Question								
Carefully read the question and answer accordingly. Consider the following statements: Statement A: JSP page is a text-based document that contains two types of text viz. Static template data & JSP elements Statement B: JSP is used for presentation stuff and servlets are used for control and business logic stuff.	Statement A is true and statement B is true.	Statement A is true and statement B is false.	Statement A is false and statement B is true.	Statement A is false and statement B is false.		1	0	0	0
Carefully read the question and answer accordingly. Identify the entry in web.xml that will instruct the container to compile the JSP when the container starts rather than waiting for the first time.	<load-on-startup>	<load-on-start>	<loadonstartup>	<load-on-Init>		1	0	0	0
Carefully read the question and answer accordingly. Which statement is true about Java Server Pages? 1.Used to build dynamic web pages 2.Platform dependent 3.HTML files with special tags that contain java source code to generates dynamic content	1&3	2&3	1&2	3		1	0	0	0
Carefully read the question and answer accordingly. Identify the life cycle method that is called when a JSP is destroyed	jspDestroyed()	jspDestory()	jspDelete()	jspStop()		0	1	0	0
Carefully read the question and answer accordingly. Which of the following options represents the presentation logic to provide the data of the model in the MVC design pattern?	Model	View	Controller	Connector		0	1	0	0
Carefully read the question and answer accordingly. <%! int a=6; %> <% int a=5; %> <% int b=3; %> Result is <%= a*b %> What is the result of the above code segment ?	Compilation error	Will display 18	Will display 15	None of the listed options		0	0	1	0

Question	A	B	C	D			Score1	Score2	Score3	Score4	
Carefully read the question and answer accordingly. It is not necessary to implement your own jspInit or jspDestroy methods as they are made available within the base class. Say True or False.	TRUE	FALSE					1	0			
Carefully read the question and answer accordingly. What language is used to write servlets and JSP?	Servlets are written in the Java language	Servlets are written in the Java script	Servlets are written in the C++	Servlets are written in the PHP			1	0	0	0	
Carefully read the question and answer accordingly. Which method of jsp is equivalent to service method of servlet?	_jspService()	jsp_Service()	jspService()	service()			1	0	0	0	
Carefully read the question and answer accordingly. JSP initialization method(life cycle method) is called immediately before the servlet instance was created	TRUE	FALSE					0	1			
Carefully read the question and answer accordingly. WAR stands for	Web ARchive	Web Application ARchive	Web Application Request	Web Application Report			0	1	0	0	
Carefully read the question and answer accordingly. Which of the following describes JSP life cycle management?	Translation & compilation,Instantiation, initialization,service destroy container manages this life cycle	invoking, destroy. Web Browser manages this life cycle	loading invoking, destroy. User Should manages this life cycle	None of the listed options			1	0	0	0	
Carefully read the question and answer accordingly. A JSP page services requests as a servlet. Say True or False	TRUE	FALSE					1	0			

Question	Option A	Option B	Option C	Option D		A	B	C	D	
Carefully read the question and answer accordingly. The container supplies a ServletConfig reference to the jspInit() method. Say true or false	TRUE	FALSE				1	0			
Carefully read the question and answer accordingly. Which of the following have default value set to true?	session	isELIgnored	isErrorPage	None of the listed options		1	0	0	0	
Carefully read the question and answer accordingly. During translation the scriptlet code is copied inside:	The init method of the generated servlet	The service method of generated servlet	The doGet() method of generated servlet	Scriptlet code gets no place in the generated servlet		0	1	0	0	
Carefully read the question and answer accordingly. 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 programming filters	By creating security constraints	By modifying the web deployment descriptor	By implementing the Listeners		1	0	0	0	

Carefully read the question and answer accordingly. 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 properly invoke the next filter in the chain, or the target servlet if there are no more filters?	chain.forward(request, response);	chain.doFilter(request, response);	request.forward(request, response);	request.doFilter(request, response);		0	1	0	0	
Carefully read the question and answer accordingly. The child elements of <filter> elements are: 1.<display-name> 2.<init> 3.<config> 4.<context> 5.<filter-class>	1&2	1&3	2&3	2&5	1&5	0	0	0	0	1
Carefully read the question and answer accordingly. 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?	init	doFilter	destroy	doGet		0	1	0	0	
Carefully read the question and answer accordingly. Which of the following used by container to validate a custom tag in a JSP page?	web.xml	Xerces	Xmlspy	Tag Library Descriptor		0	0	0	1	
Carefully read the question and answer accordingly. <pref:tag1> <%= result %> </pref:tag1> Which of the following are valid for the <body-content> tag of tag1?	JSP	empty	scriptless	tag dependant		1	0	0	0	

Carefully read the question and answer accordingly. How do you declare a tag library within a JSP page to use custom tags?	By using scriptlet.	By using taglib directive.	By using unique variable.	By using path to the tag handler.		0	1	0	0
Carefully read the question and answer accordingly. Mention some of the important functions of Servlet Filter. 1.Security Checks 2.allowing all the users 3.Modifying the request or response	1&2	1&3	2&3	2		0	1	0	0
Carefully read the question and answer accordingly. A filter configuration object used by a servlet container to pass information to a filter during initialization. State True or False.	TRUE	FALSE				1	0		
Carefully read the question and answer accordingly. Filters can create responses by themselves. State True or False.	FALSE	TRUE				1	0		

Carefully read the question and answer accordingly.
What will be the output for following code?
class Super
{
 static void show()
 {
 System.out.println("super class show method");
 }
 static class StaticMethods
 {
 void show()
 {
 System.out.println("sub class show method");
 }
 }
 public static void main(String[]args)
 {
 Super.show();
 new Super.StaticMethods().show();
 }
}
	super class show method sub class show method	super class show method	sub class show method super class show method	Compilatio n Error		1	0	0	0

Carefully read the question and answer accordingly. 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.	FALSE	TRUE				1	0		
Carefully read the question and answer accordingly. A class can be declared as _____ if you do not want the class to be subclassed. Using the _____keyword we can abstract a class from its implementation	protected ,interface	final,interfa ce	public,frien d	final,prote cted	private,a bstract	0	1	0	0
Carefully read the question and answer accordingly. The constructor of a class must not have a return type.	TRUE	FALSE				0	1		

Question										
Carefully read the question and answer accordingly. Which of the following are true about constructors?	Constructors can be overloaded	Constructors can be overridden.	Constructor is a special type of method which may have return type.	Constructors should be called explicitly like methods		1	0	0	0	
Carefully read the question and answer accordingly. A field with default access specifier can be accessed out side the package. State True or False.	FALSE	TRUE				1	0			
Carefully read the question and answer accordingly. _____ determines which member of a class can be used by other classes.	specifier	Inheritance	Implementation	Access specifier	Class	0	0	0	1	0
Carefully read the question and answer accordingly. Which of the following statements are true about Method Overriding? I: Signature must be same including return type II: If the super class method is throwing the exception then overriding method should throw the same Exception III: Overriding can be done in same class IV: Overriding should be done in two different classes with no relation between the classes	I	II & IV	III	I & III		1	0	0	0	
Carefully read the question and answer accordingly. If display method in super class has a protected specifier then what should be the specifier for the overriding display method in sub class?	protected or default	protected or public	None of the listed options	private		0	1	0	0	

Carefully read the question and answer accordingly. What will be the output for following code?										

```
class Super
{
 int num=20;
 public void display()
 {
 System.out.println("super class method");
 }
}
public class ThisUse extends Super
{
 int num;
 public ThisUse(int num)
 {
 this.num=num;
 }
 public void display()
 {
 System.out.println("display method");
 }
 public void Show()
 {
 this.display();
 display();
 System.out.println(this.num);
 System.out.println(num);
 }
 public static void main(String[]args)
 {
 ThisUse o=new ThisUse(10);
 o.Show();
 }
}
```

super class method display method 20 20	display method display method 10 10	display method display method 20 20	super class method display method 10 10			0	1	0	0	

Question										

Carefully read the question and answer accordingly.
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 class InheritMethod extends Super2`
`{`
` 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 sub class display method	super class exe method super class display method	Compilation error	None of the listed options		1	0	0	0	

Carefully read the question and answer accordingly. Which of the following method is used to initialize the instance variable of a class.	Class	Public	Constructor	Destructor	Variable	0	0	1	0	0

Carefully read the question and answer accordingly. Which of the following are true about protected access specifier?	If one class is having protected method then the method is available for subclass which is present in another package	A class can be declared as protected.	All members of abstract class are by default protected	Protected is default access modifier of a child class		1	0	0	0
Carefully read the question and answer accordingly. What will be the output for following code? public class Variables { public static void main(String[]args) { public int i=10; System.out.println(i++); } }	10	11	Compilation error	None of the listed options		0	0	1	0
Carefully read the question and answer accordingly. Constructor of an class is executed each time when an object of that class is created	TRUE	FALSE				1	0		
Carefully read the question and answer accordingly. Which of the following correctly fits for the definition 'holding instances of other objects'?	Aggregation	Composition	Generic	Polymorphic		1	0	0	0

Question										

Carefully read the question and answer accordingly.
public abstract class Shape
{
  private int x;
  private int y;
  public abstract void draw();
  public void setAnchor(int x, int y)
  {
  this.x = x;
  this.y = y;
  }
 }
Which two classes use the Shape class correctly?
1.public class Circle implements Shape {
private int radius;
}
2.public abstract class Circle extends Shape {
private int radius;
}
3.public class Circle extends Shape {
private int radius;
public void draw();
}
4.public class Circle extends Shape {
private int radius;
public void draw() {/* code here */}
}
	1&2	1&3	2&3	3&4	2&4	0	0	0	0	1

Carefully read the question and answer accordingly. State whether TRUE or FALSE. If any method overrides one of it's super class methods, we can invoke the overridden method through the this keyword.	TRUE	FALSE				0	1			

Carefully read the question and answer accordingly.
What will be the output for following code?
class super3{
int i=10;
public super3(int num){
i=num;
}
}
public class Inherite1 extends super3{
 public Inherite1(int a){
super(a);
}
 public void Exe(){
System.out.println(i);
}
public static void main(String[]args){
 Inherite1 o=new Inherite1(50);
super3 s=new Inherite1(20);
 System.out.println(s.i);
o.Exe();
}
}
	10 50	20 50	20 10	10 20			0	1	0	0

Carefully read the question and answer accordingly. State whether TRUE or FALSE. An abstract class cannot contain non abstract methods	TRUE	FALSE					0	1		

Question									

Carefully read the question and answer accordingly.
What is the outputof below code:
package p1;
class Parent {
 public static void doWork() {
 System.out.println("Parent");
 }
}
class Child extends Parent {
 public static void doWork() {
 System.out.println("Child");
 }
}
class Test {
 public static void main(String[] args) {
 Child.doWork();
 }
}
	Child
	Parent
		Parent	Child	Parent
				Child
						0	0	1	0

Carefully read the question and answer accordingly.
interface A
{
 public abstract void aM1();
 public abstract void aM2();
}
interface B extends A
{
 public void bM1();
 public void bM2();
}
public class Demo extends Object implements B
{
}
In above scenario class Demo must override which methods?
	public void aM1(){}
	public void aM2(){}
		public void bM1(){}
		public void bM2(){}
			public void aM1(){}
			public void aM2(){}
			public void bM1(){}
			public void bM2(){}
				public void aM1(){}
				public void bM2(){}
						0	0	1	0

Question	Option 1	Option 2	Option 3	Option 4					

Carefully read the question and answer accordingly. State whether TRUE or FALSE. The below code will compile & provide desired output:
 	
`package p1;`
`interface Bounceable {`
` void bounce();`
` void setBounceFactor(int bf);`
` private class BusinessLogic`
` {`
`  int var1;`
`  float var2;`
`  double result(int var1,float var2){`
`   return var1*var2;`
`  }`
` }`
`}`
`class Test {`
` public static void main(String[] args) {`
`  System.out.println(new`
`Bounceable.BusinessLogic().result(12,12345.22F)`
`);`
` }`
`}`
	TRUE	FALSE				0	1		

Carefully read the question and answer accordingly. Choose the correct option. Statement I: When an abstract class is sub classed, the subclass should provide the implementation for all the abstract methods in its parent class. Statement II: If the subclass does not implement the abstract method in its parent class, then the subclass must also be declared abstract.	Statement I & II are TRUE	Statement I is TRUE & II is FALSE	Statement I is FALSE & II is TRUE	Statement I & II are FASLE		1	0	0	0

Question	Option 1	Option 2	Option 3	Option 4		A	B	C	D	
Carefully read the question and answer accordingly. Choose the correct option. Statement I: A subclass inherits all of the "public" and "protected" members of its parent, no matter what package the subclass is in. Statement II: If the subclass of any class is in the same package then it inherits the default access members of the parent.	Statement I & II are TRUE	Statement I is TRUE & II is FALSE	Statement I is FALSE & II is TRUE	Statement I & II are FASLE		1	0	0	0	

Carefully read the question and answer accordingly.
State whether TRUE or FALSE.
The below code will compile &   provide desired output:
package p1;
class Parent {
 private int doWork(){
  System.out.println("Do Work - Parent");
  return 0;
 }
}
class Child extends Parent {
 public void doWork(){
  System.out.println("Do Work - Child");
 }
}
class Test{
 public static void main(String[] args) {
  new Child().doWork();
 }
}
	TRUE	FALSE				1	0			

Carefully read the question and answer accordingly. State whether TRUE or FALSE. If any class has at least one abstract method you must declare it as abstract class	TRUE	FALSE				1	0			

Question	Option A	Option B	Option C	Option D	Option E					

Carefully read the question and answer accordingly.
public interface Status
{
/* insert code here */ int MY_VALUE = 10;
}
Which are valid on commented line?
1.final
2.static
3.native
4.public
	1&2	1&2&3	2&3	1&2&4	2&4	0	0	0	1	0

Carefully read the question and answer accordingly. Choose the correct option. Statement I: When all methods in a class are abstract the class can be declared as an interface. Choose the correct option. Statement II: An interface defines a contract for classes to implement the behavior.	Statement I & II are TRUE	Statement I is TRUE & II is FALSE	Statement I is FALSE & II is TRUE	Statement I & II are FASLE		1	0	0	0	

Carefully read the question and answer accordingly.

```java
abstract class Vehicle
{
 public int speed()
 {
  return 0;
 }
}
class Car extends Vehicle
{
 public int speed()
 {
  return 60;
 }
}
class RaceCar extends Car
{
 public int speed()
 {
  return 120;
 }
}
public class Demo
{
 public static void main(String [] args)
 {
  RaceCar racer = new RaceCar();
  Car car = new RaceCar();
  Vehicle vehicle = new RaceCar();
  System.out.println(racer.speed() + ", " +
car.speed()+", " + vehicle.speed());
 }
}
```
What is the result?

| 0, 0, 0 | 120, 60, 0 | 60,60,60 | 120, 120, 120 | | | 0 | 0 | 0 | 1 | |

Carefully read the question and answer accordingly.
What will be the output for following code
public class
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 Arithmetic Exception and prints 5	It will give ArithmeticException	It will print 5	None of the listed options			0	1	0	0

Carefully read the question and answer accordingly.
State whether TRUE or FALSE.
The below code will compile &   provide desired output:
package p1;
abstract class LivingThings{
 public abstract void resperate();
 interface Living
 {
  public abstract void walk();
 }
}
class Human implements LivingThings.Living{
 @Override
 public void walk() {
  System.out.println("Human Can Walk");
 }
}
class Test {
 public static void main(String[] args) {
  new Human().walk();
 }
}
	TRUE	FALSE					1	0			

Carefully read the question and answer accordingly. State whether TRUE or FALSE. An overriding method can also return a subtype of the type returned by the overridden method.	TRUE	FALSE					1	0			

| Carefully read the question and answer accordingly.

abstract public class Employee
{
 protected abstract double getSalesAmount();
 public double getCommision() {
 return getSalesAmount() * 0.15;
 }
}
class Sales extends Employee
{
// insert method here
}
Which two methods, inserted independently, correctly complete the Sales
class?
1.double getSalesAmount() { return 1230.45; }
2. public double getSalesAmount() { return 1230.45; }
3.private double getSalesAmount() { return 1230.45; }
4.protected double getSalesAmount() { return 1230.45; }	1&2	1&3	2&3	3&4	2&4	0	0	0	0	1

Carefully read the question and answer accordingly.
State whether TRUE or FALSE.
The below code will compile & provide desired output:
package p1;
interface A {
 public abstract void methodOne();
}
interface B extends A {
 public abstract void methodTwo();
}
class C implements B{
 @Override
 public void methodTwo() {
  System.out.println("Method Two Body");
 }
}
class Test {
 public static void main(String[] args) {
  new C().methodTwo();
 }
}
	TRUE	FALSE				0	1		

Carefully read the question and answer accordingly.
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 scenario class Demo must override which methods?
	public void aM2(){}	public void aM1(){}	public void bM2(){}	All of the listed options		0	0	0	1

Carefully read the question and answer accordingly. State whether TRUE or FALSE. Interface can be used when common functionalities have to be implemented differently across multiple classes.	TRUE	FALSE				1	0		

Carefully read the question and answer accordingly.
State whether TRUE or FALSE.
The below code will compile &   provide desired output:
package p1;
interface A {
 public abstract void methodOne();
}
interface B{
 public abstract void methodTwo();
}
interface C{
 public abstract void methodTwo();
}
class D implements B,C,A{
 public void methodOne(){}
 public void methodTwo(){
System.out.println("Method Two");}
}
class Test {
 public static void main(String[] args) {
  new D().methodTwo();
 }
}
	TRUE	FALSE				1	0		

Carefully read the question and answer accordingly.
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?
	The equals method does NOT properly override the Object class's equals method.	Compilation fails because the private attribute p.name cannot be accessed.	This class must also implement the hashCode method as well.	The code will compile as Object class's equals method is overridden.		1	0	0	0

Carefully read the question and answer accordingly. Which of the following keywords ensures that a method cannot be overridden?	final	protected	static	abstract		1	0	0	0

Carefully read the question and answer accordingly.
What is the outputof below code:
package p1;
abstract class LivingThings{
 public abstract int walk();
}
class Human extends LivingThings{
 @Override
 public void walk() {
  System.out.println("Human Can Walk");
 }
}
class Test {
 public static void main(String[] args) {
  new Human().walk();
 }
}
	Human Can Walk	Compilation Error	Runtime Exception	No Output will be displayed		0	1	0	0

Question										
| Carefully read the question and answer accordingly. What will be the output of following code?<br><br>```java
class InterfaceDemo
{
 public static void main(String [] args)
 {
 new DigiCam(){}.doCharge();
 new DigiCam(){
 public void writeData (String msg)
 {
 System.out.println("You are Sending: "+msg);
 }
 }.writeData("MyFamily.jpg");
 }//main
}
interface USB
{
 int readData();
 void writeData(String input);
 void doCharge();
}
abstract class DigiCam implements USB
{
 public int readData(){ return 0;}
 public void writeData(String input){}
 public void doCharge()
 {
 System.out.println("DigiCam do Charge");
 }
}
``` | DigiCam do Charge You are Sending: MyFamily.jpg | Compilation Error | DigiCam do Charge | Runtime Error | | 1 | 0 | 0 | 0 | |

Carefully read the question and answer accordingly.
What is the output of below code:
package p1;
public class Test {
 public static void main(String[] args) {
  Test t1 = new Test();
  Test t2 = new Test();
  if (!t1.equals(t2))
   System.out.println("they're not equal");
  if (t1 instanceof Object)
   System.out.println("t1's an Object");
 }
}
	they're not equal	t1's an Object	they're not equal t1's an Object	No Output Will be Displayed		0	0	1	0	

Carefully read the question and answer accordingly. State whether TRUE or FALSE. A concrete class can extend more than one super class whether that super class is either concrete or abstract class	TRUE	FALSE				0	1			

Question	A	B	C	D					

Carefully read the question and answer accordingly.
``java
public class Client1
{
 public static void main(String [] args)
 {
 PenDrive p;
 PenDrive.Vendor v1=new
PenDrive.Vendor("WD",500);
 System.out.println(v1.getName());
 System.out.println(v1.getPrice());
 }
}
class PenDrive
{
 static class Vendor
 {
 String name;
 int price;
 public String getName(){ return name;}
 public int getPrice(){ return price;}
 	
 Vendor(String name,int price)
 {
 this.name=name;
 this.price=price;
 }
 }
}
``
What will be the output of the given code?
	Class cannot be defined inside another class	Runtime Error.	WD 500	Compile Error.		0	0	1	0

Carefully read the question and answer accordingly. State whether TRUE or FALSE. The super() call can only be used in constructor calls and not method calls.	TRUE	FALSE				1	0		
Carefully read the question and answer accordingly. Abstract classes can be used when Statement I: Some implemented functionalities are common between classes Statement II: Some functionalities need to be implemented in sub classes that extends the abstract class	Statement I & II are TRUE	Statement I is TRUE & II is FALSE	Statement I is FALSE & II is TRUE	Statement I & II are FASLE		1	0	0	0

Question										

Carefully read the question and answer accordingly.
class InterfaceDemo
{
 public static void main(String [] args)
 {
  DigiCam cam1=new DigiCam();
  cam1.doCharge();
 }//main
}
interface USB
{
 int readData();
 boolean writeData(String input);
 void doCharge();
}
class DigiCam implements USB
{
 public int readData(){ return 0;}
 public boolean writeData(String input){ return false; }
 void doCharge(){ return;}
}
Which of the following is correct with respect to given code?
	Code will not compile due to weaker access privilege.	Code will Compile without any Error	Code will compile but wont print any message	Runtime Exception		1	0	0	0	

Carefully read the question and answer accordingly. State whether TRUE or FALSE. Object class provides a method named getClass() which returns runtime class of an object.	TRUE	FALSE				1	0			

Carefully read the question and answer accordingly.
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);
 }
}
	97	a	compilation error	None of the listed options		0	0	1	0	

Question	A	B	C	D					
Carefully read the question and answer accordingly. Which of the following code snippets make objects eligible for Garbage Collection? Statement A: String s = "new string"; s = s.replace('e', '3'); Statement B:String replaceable = "replaceable"; StringBuffer sb = new StringBuffer(replaceable);replaceable = null; sb = null;	Both Statements A and B	Statement A alone	Statement B alone	Neither Statements A nor B		1	0	0	0
Carefully read the question and answer accordingly. Members of the classs are accessed by _____ operator	address	dot	scope resolution	none of these		0	1	0	0
Carefully read the question and answer accordingly. Which of the following is the correct syntax for suggesting that the JVM to performs garbage collection?	System.free();	System.setGarbageCollection();	System.out.gc();	System.gc();		0	0	0	1

Carefully read the question and answer accordingly.
What will be the output for following code?
public class VariableDec
{
 public static void main(String[]args)
 {
  int x = 1;
  if(x>0)
   x = 3;
  switch(x)
  {
   case 1: System.out.println(1);
   case 0: System.out.println(0);
   case 2: System.out.println(2);
   break;
   case 3: System.out.println(3);
   default: System.out.println(4);
   break;
  }
 }
}
	1 0 2	3 4	4	Compilation error		0	1	0	0

Question	A	B	C	D	E					
Carefully read the question and answer accordingly. _____ Operator is used to create an object.	class	new	print	main	Object	0	1	0	0	0
Carefully read the question and answer accordingly. Which of the following is not the Java keyword?	extends	implements	throwed	Integer	Boolean	0	0	1	0	0
Carefully read the question and answer accordingly. Find the keyword(s) which is not used to implement exception	try	catch	finally	access	exception	0	0	0	0.5	0.5
Carefully read the question and answer accordingly. The ++ operator postfix and prefix has the same effect	TRUE	FALSE				0	1			

Carefully read the question and answer accordingly.
What will be the output for following code?
public class Operators
{
 public static void main(String[]args)
 {
  int i=12;
  int j=13;
  int k=++i-j--;
  System.out.println(i);
  System.out.println(j);
  System.out.println(k);
 }
}
	12,12,-1	13,12,0	13,13,0	12,13,-1		0	1	0	0	

Carefully read the question and answer accordingly.
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);
}
	1	3	4	2		0	0	0	1	

Question	A	B	C	D						
Carefully read the question and answer accordingly. What is the correct structure of a java program? I: import statement II: class declaration III: package statement IV: method,variable declarations	III->I->II->IV.	I->III->II->IV	I->III->IV->II	I->II->III->IV		1	0	0	0	
Carefully read the question and answer accordingly. Garbage collector thread is a daemon thread. State True or False.	TRUE	FALSE				1	0			
Carefully read the question and answer accordingly. Garbage collection guarantee that a program will not run out of memory. State True or False.	FALSE	TRUE				1	0			
Carefully read the question and answer accordingly. Statement A:finalize will always run before an object is garbage collected Statement B:finalize method will be called only once by the garbage collector which of the following is true?	Both Statements A and B are true	Statement A is true and Statement B is false	Statement A is false and Statement B is true	Both Statements A and B are false		1	0	0	0	

Carefully read the question and answer accordingly.
After which line the object initially referred by str ("Hello" String object) is eligible for garbage collection?
class Garbage{
public static void main(string[]args){
line 1:String str=new String("Hello");
line 2. String str1=str;
line 3.str=new String("Hi");
line 4.str1=new String("Hello Again");
5.return;
}
}
	line 3	line 4	line 5	line 1		0	1	0	0	

Question	Option A	Option B	Option C	Option D	Option E					
Carefully read the question and answer accordingly. How can you 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).	Option 2	Option 3	Option 1	Option 4		0	0	1	0	
Carefully read the question and answer accordingly. Which of the below is invalid state of thread?	Runnable	Running	Dead	Blocked	Stop	0	0	0	0	1

Carefully read the question and answer accordingly.
Predict the output of below code:
package p1;
class MyThread extends Thread {
 public void run(int a) {
  System.out.println("Important job running in MyThread");
 }
 public void run(String s) {
  System.out.println("String in run");
 }
}
class Test {
 public static void main(String[] args) {
  MyThread t1=new MyThread();
  t1.start();
 }
}
	Compile Error	Important job running in MyThread	String in run	Important job running in MyThread String in run	No Output	0	0	0	0	1

Carefully read the question and answer accordingly. Which of these is not a benefit of Multithreading?	Reduce response time of process.	Support parallel operation of functions.	Increase system efficiency.	Requires less overheads compared to multitasking.	None of the options.	0	0	0	0	1

Question										
Carefully read the question and answer accordingly. You have created a TimeOut class as an extension of Thread, the purpose of which is to print a "Time's Over" message if the Thread is not interrupted within 10 seconds of being started. Here is the run method that you have coded: public void run() { System.out.println("Start!"); try { Thread.sleep(10000); System.out.println("Time's Over!"); } catch (InterruptedException e) { System.out.println("Interrupted!"); } }Given that a program creates and starts a TimeOut object, which of the following statements is true?	Exactly 10 seconds after the start method is called, "Time's Over!" will be printed.	Exactly 10 seconds after the "Start!" is printed, "Time's Over!" will be printed.	The delay between "Start!" being printed and "Time's Over!" will be 10 seconds plus or minus one tick of the system clock.	If "Time's Over!" is printed, you can be sure that at least 10 seconds have elapsed since "Start!" was printed.		0	0	0	1	
Carefully read the question and answer accordingly. Synchronization is achieved by using which of the below methods	Synchronized blocks	Synchronized methods	Synchronized classes	Synchronized abstract classes	Synchronized interfaces	0.5	0.5	0	0	0
Carefully read the question and answer accordingly. State whether TRUE or FALSE. The below code will compile & provide desired output: package p1; class MyThread extends Thread { public void run() { System.out.println("Important job running in MyThread"); } public void run(String s) { System.out.println("String in run is " + s); } } class Test { public static void main(String[] args) { MyThread t1=new MyThread(); t1.start(); } }	TRUE	FALSE				1	0			

Carefully read the question and answer accordingly.
What will be the output of below code:
package p1;
class MyThread extends Thread {
 public void run() {
  System.out.println("Important job running in MyThread");
 }
}
class Test {
 public static void main(String[] args) {
  MyThread t1=new MyThread();
  t1.run();
 }
}
	Compile Error	Important job running in MyThread	Runtime Exception	Non of the options		0	1	0	0

Carefully read the question and answer accordingly.
 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();
 }
}
What will be the result?
	An exception is thrown at runtime.	The code executes normally and prints "Run".	The code executes normally, but nothing is printed.	Compilatio n fails.		1	0	0	0

Carefully read the question and answer accordingly. Inter thread communication is achieved using which of the below methods?	wait()	notify()	notifyAll()	all the options		0	0	0	1

Question	A	B	C	D	E					
Carefully read the question and answer accordingly. Which of these is not valid method in Thread class	void run()	void start()	boolean getPriority()	boolean isAlive()		0	0	1	0	
Carefully read the question and answer accordingly. State whether TRUE or FALSE. Threads are small process which run in shared memory space within a process.	TRUE	FALSE				1	0			
Carefully read the question and answer accordingly. Which of the following statements are true? Statement1: When a thread is sleeping as a result of sleep(), it releases its locks. Statement2: The Object.wait() method can be invoked only from a synchronized context.	Statement 1 is TRUE but Statement 2 is FALSE.	Statement2 is TRUE but Statement1 is FALSE.	BOTH Statement1 & Statement2 are TRUE.	BOTH Statement 1 & Statement 2 are FALSE.		0	1	0	0	
Carefully read the question and answer accordingly. Which two statements are true? 1.It is possible for more than two threads to deadlock at once. 2.The JVM implementation guarantees that multiple threads cannot enter into a deadlocked state. 3.Deadlocked threads release once their sleep() method's sleep duration has expired. 4.If a piece of code is capable of deadlocking, you cannot eliminate the possibility of deadlocking by inserting invocations of Thread.yield().	1&2	1&3	2&3	1&4	2&4	0	0	0	1	0

Question	A	B	C	D					

Carefully read the question and answer accordingly.
public class TestDemo implements Runnable
{
 public void run()
 {
  System.out.print("Runner");
 }
 public static void main(String[] args)
 {
  Thread t = new Thread(new TestDemo());
  t.run();
  t.run();
  t.start();
 }
}
What will be the result?
	You cannot call run() method using Thread class object.	An exception is thrown at runtime.	The code executes and prints "Runner".	The code executes and prints "RunnerRunnerRunner".		0	0	0	1

Carefully read the question and answer accordingly.
class Background implements Runnable{
int i = 0;
public int run(){
while (true) {
i++;
System.out.println("i="+i);
}
return 1;
}
}//End class
	It will compile and the run method will print out the increasing value of i.	It will compile and calling start will print out the increasing value of i.	The code will cause an error at compile time.	Compilation will cause an error because while cannot take a parameter of true.		0	0	1	0

Carefully read the question and answer accordingly. Java provides ____ ways to create Threads.	One	Two	Three	Four		0	1	0	0

Question	Col1	Col2	Col3	Col4					

Carefully read the question and answer accordingly.
As per the below code find which statements are true.
public class Test {
 public static void main(String[] args) {
   Line 1: ArrayList<String> myList=new List<String>();
   Line 2: String string = new String();
   Line 3: myList.add("string");
   Line 4: int index = myList.indexOf("string");
  System.out.println(index);
 }
}
	Line 1 has compilation error	Line 2 has run time exceptions	In Line 4 null pointer exception will occur as String string contains null value	Line 4 has neither error nor exceptions.		0.5	0	0	0.5	

Carefully read the question and answer accordingly. The ArrayList<String> is immutable.	TRUE	FALSE				0	1			
Carefully read the question and answer accordingly. Map is the super class of Dictionary class?	TRUE	FALSE				0	1			
Carefully read the question and answer accordingly. Method keySet() in Map returns a set view of the keys contained in that map. State True or False.	TRUE	FALSE				1	0			
Carefully read the question and answer accordingly. Is "Array" a subclass of "Collection" ?	TRUE	FALSE				0	1			

Carefully read the question and answer accordingly.
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));
 }
}
	True	False		None of the listed options		0	0	1	0	

Question										
Carefully read the question and answer accordingly. The LinkedList class supports two constructors.	TRUE	FALSE				1	0			
Carefully read the question and answer accordingly. Consider the following statements about the Map type Objects: Statement A: Changes made in the set view returned by keySet() will be reflected in the original map. Statement B: All Map implementations keep the keys sorted. Which of the following option is true regarding the above statements?	Both Statements A and B are true	Statement A is true and Statement B is false	Statement A is false and Statement B is true	Both Statements A and B are false		0	1	0	0	
Carefully read the question and answer accordingly. what is the way to iterate over the elements of a Map	for loop	list Iterator	foreach	Iterator		0	0	0.5	0.5	
Carefully read the question and answer accordingly. Consider the following partial code: java.util.Date date = new java.util.Date(); Which of the following statement is true regarding the above partial code?	Creates a Date object with 0 as default value	Creates a Date object with '01-01-1970 12:00:00 AM' as default value	Creates a Date object with current date and time as default value	Creates a Date object with current date alone as default value		0	0	1	0	
Carefully read the question and answer accordingly. Consider the following list of code: A) Iterator iterator = hashMap.keySet().iterator(); B) Iterator iterator = hashMap.iterator(); C) Iterator iterator = hashMap.keyMap().iterator(); D) Iterator iterator = hashMap.entrySet().iterator(); E) Iterator iterator = hashMap.entrySet.iterator(); Assume that hashMap is an instance of HashMap type collection implementation. Which of the following option gives the correct partial code about getting an Iterator to the HashMap entries?	A	B	C	D	E	0	0	0	1	0

Question										
Carefully read the question and answer accordingly. What is the return type of next() in Iterator?	boolean	void	Object	String		0	0	1	0	
Carefully read the question and answer accordingly. foreach loop is the only option to iterate over a Map	TRUE	FALSE				0	1			
Carefully read the question and answer accordingly. Which of the following are not List implementations? 1.Vector 2.Hashtable 3.LinkedList 4.Properties	1&2	1&3	2&3	1&4	2&4	0	0	0	0	1
Carefully read the question and answer accordingly. Consider the following Statements: Statement A: The Iterator interface declares only two methods: hasMoreElements and nextElement. Statement B: The ListIterator interface extends both the List and Iterator interfaces. Which of the following option is correct regarding above given statements?	Both the Statements A and B are true	Statement A is true and Statement B is false	Statement A is false and Statement B is true	Both the statements A and B are false.		0	0	0	1	
Carefully read the question and answer accordingly. State TRUE or FALSE. line 1: public class Test { line 2: public static void main(String[] args) { line 3: Queue queue = new LinkedList(); line 4: queue.add("Hello"); line 5: queue.add("World"); line 6: List list = new ArrayList(queue); line 7: System.out.println(list); } line 8: } Above code will give run time error at line number 3.	TRUE	FALSE				0	1			
Carefully read the question and answer accordingly. Iterator i= new HashMap().entrySet().iterator(); is this correct declaration	TRUE	FALSE				1	0			

Question										
Carefully read the question and answer accordingly. Iterator is having previous() method. State True or False.	FALSE	TRUE					1	0		
Carefully read the question and answer accordingly. List<Integer> newList=new ArrayList<integer>(); will Above statement create a new object of Array list successfully ?	TRUE	FALSE					0	1		
Carefully read the question and answer accordingly. Which collection class allows you to associate its elements with key values	java.utill.Map	java.util.ArrayList	java.util.Dictionary	java.util.HashMap			0	0	0.5	0.5
Carefully read the question and answer accordingly. Under java.util package we have "Collections" as Class and "Collection" as Interface	TRUE	FALSE					1	0		
Carefully read the question and answer accordingly. The add method of Set returns false if you try to add a duplicate element.	TRUE	FALSE					1	0		
Carefully read the question and answer accordingly. Is this true or false. Map interface is derived from the Collection interface.	TRUE	FALSE					0	1		
Carefully read the question and answer accordingly. LinkedList represents a collection that does not allow duplicate elements.	TRUE	FALSE					0	1		

Question	A	B	C	D						

Carefully read the question and answer accordingly.
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);
 }
}
	int	String	Object	set1		0	0	1	0	

Carefully read the question and answer accordingly. Which of these interface(s) are part of Java's core collection framework?	List	Set	SortedList	SortedQueue		0.5	0.5	0	0	
Carefully read the question and answer accordingly. When comparable interface is used which method should be overridden?	comparator	compare	compareTo	compareWith		0	0	1	0	
Carefully read the question and answer accordingly. TreeSet uses which two interfaces to sort the data	Serializable	SortTable	SortedSet	Comparable		0	0	0.5	0.5	
Carefully read the question and answer accordingly. Which statement are true for the class HashSet?	The elements in the collection are accessed using a non-unique key.	The elements in the collection are guaranteed to be unique	The elements in the collection are accessed using a unique key.	HashSet allows at most one null element		0	0.5	0	0.5	
Carefully read the question and answer accordingly. Enumeration is having remove() method. State True or False.	FALSE	TRUE				1	0			

Question	A	B	C	D					

Carefully read the question and answer accordingly.
Consider the following code:
01 import java.util.Set;
02 import java.util.TreeSet;
03
04 class TestSet {
05   public static void main(String[] args) {
06   Set set = new TreeSet<String>();
07   set.add("Green World");
08   set.add(1);
09   set.add("Green Peace");
10   System.out.println(set);
11   }
12 }
Which of the following option gives the output for the above code?
	Prints the output [Green World, 1, Green Peace] at line no 9	Compilation error at line no 8	Throws Runtime Exception	Prints the output [Green World, Green Peace] at line no 9		0	0	1	0

Carefully read the question and answer accordingly.
What will be the output for following code?
public class collection1{
public static void main(String[]args){
Collection c=new ArrayList();
c.add(10);
c.add("abc");
Collection l=new HashSet();
l.add(20);
l.add("abc");
l.add(30);
c.addAll(l);
c.removeAll(l);
System.out.println(c);
}
}
	[10,abc]	[10]	Compilation error	[abc]		0	1	0	0

Carefully read the question and answer accordingly. Which of these are interfaces in the collection framework	Hash Map	Array List	Collection	Sorted Map		0	0	0.5	0.5

Question										
Carefully read the question and answer accordingly. Which of the following are true statements?	The Iterator interface declares only three methods: hasNext, next and remove.	The ListIterator interface extends both the List and Iterator interfaces	The ListIterator interface provides the ability to determine its position in the List.	The ListIterator interface provides forward and backward iteration capabilities.		0.33	0	0.33	0.33	
Carefully read the question and answer accordingly. which are the Basic features of implementations of interfaces in Collections Framework in java?	All implementations are unsynchronized	All implementations support having null elements.	All implementations are serializable and cloneable	all implementations are immutable and supports duplicates data		0.33	0.33	0.33	0	
Carefully read the question and answer accordingly. Which of the following are synchronized? 1.Hashtable 2.Hashmap 3.Vector 4.ArrayList	1&2	1&3	2&3	1&4	2&4	0	1	0	0	0
Carefully read the question and answer accordingly. 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()); } }	4	5	6	None of the listed options		0	1	0	0	
Carefully read the question and answer accordingly. State whether TRUE or FALSE. StringBuilder is not thread-safe unlike StringBuffer	TRUE	FALSE				1	0			

Carefully read the question and answer accordingly.
What will be the output for following code?
public class StringCompare{
public static void main(String[]args){
if("string"=="string")
System.out.println("both strings are equal");
else
System.out.println("both strings are not equal");
}
}
	both strings are equal	both strings are not equal	compilation error	Runtime error		1	0	0	0	

Carefully read the question and answer accordingly. endsWith() member methods of String class creates new String object. State True or False	TRUE	FALSE				0	1			

Carefully read the question and answer accordingly.
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");
}
}
	both strings are equal	both strings are not equal	compilation error	Strings cannot be compare using == operator		0	1	0	0	

Carefully read the question and answer accordingly. State whether TRUE or FALSE. String s = new String(); is valid statement in java	TRUE	FALSE				1	0			

Question	Opt1	Opt2	Opt3	Opt4						

Carefully read the question and answer accordingly.
What is the output of below code:
package p1;
public class Hackathon {
 public static void main(String[] args) {
  String x = "Java";
  x.concat(" Rules!");
  System.out.println("x = " + x);
 }
}
	x = Java Rules	x = Java	x = Rules	Error		0	1	0	0	

Carefully read the question and answer accordingly. State whether TRUE or FALSE. StringTokenizer implements the Enumeration interface	TRUE	FALSE				1	0			
Carefully read the question and answer accordingly. State whether TRUE or FALSE. The APIS of StringBuffer are synchronized unlike that of StringBuilder	TRUE	FALSE				1	0			

Carefully read the question and answer accordingly.
What is the output of below code:
package p1;
public class Hackathon {
 public static void main(String[] args) {
  String x = "Java";
  x.toUpperCase();
  System.out.println("x = " + x);
 }
}
	x = JAVA	x=""	x = Java	x="JAVA"		0	0	1	0	

Carefully read the question and answer accordingly.
Consider the following code snippet:
  String thought = "Green";
  StringBuffer bufferedThought = new StringBuffer(thought);
  String secondThought = bufferedThought.toString();
  System.out.println(thought == secondThought);
Which of the following option gives the output of the above code snippet?
	TRUE	FALSE				0	1			

Question	A	B	C	D					
Carefully read the question and answer accordingly. Choose the correct option. Statement I: StringBuilder offers faster performance than StringBuffer Statement II: All the methods available on StringBuffer are also available on StringBuilder	Statement I & II are TRUE	Statement I is TRUE & II is FALSE	Statement I is FALSE & II is TRUE	Statement I & II are FASLE		1	0	0	0
Carefully read the question and answer accordingly. String class contains API used for	Comparing strings	Searching strings	Extracting strings	All of above		0	0	0	1
Carefully read the question and answer accordingly. Choose the correct option. Statement I: StringBuffer is efficient than "+" concatenation Statement II: Using API's in StringBuffer the content and length of String can be changed which intern creates new object.	Statement I & II are TRUE	Statement I is TRUE & II is FALSE	Statement I is FALSE & II is TRUE	Statement I & II are FASLE		0	1	0	0
Carefully read the question and answer accordingly. State whether TRUE or FALSE. String class do not provides a method which is used to compare two strings lexicographically.	TRUE	FALSE				0	1		
Carefully read the question and answer accordingly. 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 equal	both strings are not equal	compilation error	Strings cannot be compare using == operator		0	1	0	0

Question										

Carefully read the question and answer accordingly.
What will be the output for following code?
public class StringBuffer1
{
 public static void main(String[]args)
 {
  StringBuffer s1=new StringBuffer("welcome");
  StringBuffer s2=new StringBuffer("welcome");
  System.out.println(s1.equals(s2));
  System.out.println(s1.equals(s1));
 }
}
	true false	false true	true true	false false			0	1	0	0

Carefully read the question and answer accordingly.
What will be the output for following code?
import java.io.*;
public class Exception1
{
 public static void main(String[]args)
 {
  System.out.println("A");
 	
  try
  {
  }
  catch(IOException t)
  {
  System.out.println("B");
  }
 	
  System.out.println("C");
 }
}
	Compile time error	A	A,C	Runtime error			1	0	0	0

Question	A	B	C	D					

Carefully read the question and answer accordingly.
What will be the output of the program?
`public class Test {`
` public static void aMethod() throws Exception {`
`  try {`
`   throw new Exception();`
`  } finally {`
`   System.out.print("finally");`
`  }`
` }`
` public static void main(String args[]) {`
`  try {`
`   aMethod();`
`  } catch (Exception e) {`
`   System.out.print("exception ");`
`  }`
`  System.out.print("finished"); /* Line 24 */`
` }`
`}`
	exception finished	Compilation fails	finally	finally exception finished		0	0	0	1

Carefully read the question and answer accordingly.
At Point X in below code, which code is necessary to make the code compile?
`public class Test`
`{`
`    class TestException extends Exception {}`
`    public void runTest() throws TestException {}`
`    public void test() /* Point X */`
`    {`
`      runTest();`
`    }`
`}`
	throws RuntimeException	catch (Exception e)	throws Exception	No code is necessary .		0	0	1	0

Carefully read the question and answer accordingly. If you put a finally block after a try and its associated catch blocks, then once execution enters the try block, the code in that finally block will definitely be executed except in some circumstances.select the correct circumstance from given options:	An exception arising in the finally block itself	The use of System.exit()	finally block will be always executed in any circumstances.	The death of the thread		0.33	0.33	0	0.33

Question	A	B	C	D	E					

Carefully read the question and answer accordingly.
 What will be the output of the below code?
public class Test {
 public static void main(String[] args) {
  int a = 5, b = 0, c = 0;
  String s = new String();
  try {
   System.out.print("hello ");
   System.out.print(s.charAt(0));
   c = a / b;
  } catch (ArithmeticException ae) {
   System.out.print(" Math problem occur");
  } catch (StringIndexOutOfBoundsException se) {
   System.out.print(" string problem occur");
  } catch (Exception e) {
   System.out.print(" problem occurs");
  } finally {
   System.out.print(" stopped");
  }
 }
}
	hello 0 stopped	hello 0 Math problem occur stopped	hello Math problem occur string problem occur problem occurs stopped	hello string problem occur stopped		0	0	0	1	

Carefully read the question and answer accordingly. Within try block if System.exit(0) is called then also finally block is going to be executed. State True or False.	FALSE	TRUE				1	0			
Carefully read the question and answer accordingly. Which of the following are checked exceptions? 1.ClassNotFoundException 2.InterruptedException 3.NullPointerException 4.ArrayIndexOutOfBoundsException	1&2	1&3	2&3	1&4	2&4	1	0	0	0	0
Carefully read the question and answer accordingly. which of these are the subclass of Exception class	IOException	Throwable	RunTimeException	FileNotFindException		0.33	0	0.33	0.33	

Carefully read the question and answer accordingly. what are true for RuntimeException	Runtime exceptions need not be explicitly caught in try catch block as it can occur anywhere in a program.	Runtime exceptions include arithmetic exceptions, pointer exceptions	RuntimeEx ception is a class of I/O exception	RunTimeE xception are the exception s which forces the programm er to catch them explicitly in try-catch block		0.5	0.5	0	0

Carefully read the question and answer accordingly.
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 After try Executing catch	Executing try Runtime Exception	Compile Time Exception	Runtime Exception		0	0	1	0

Question	Option A	Option B	Option C	Option D		col1	col2	col3	col4
Carefully read the question and answer accordingly. Consider the following code: class MyException extends Throwable { } public class TestThrowable { public static void main(String args[]) { try { test(); } catch(Throwable ie) { System.out.println("Exception"); } } static void test() throws Throwable { throw new MyException(); } } Which of the following option gives the output for the above code?	Prints Exception	Compiler time error User defined exceptions should extend Exception	Compile time error Cannot use Throwable to catch the exception	Run time error test() method does not throw a Throwable instance		1	0	0	0
Carefully read the question and answer accordingly. which are the Unchecked exceptions	Class Cast Exception	Array Index Out Of Bounds Exception	ClassNotFoundException	Number Format Exception		0.33	0.33	0	0.33
Carefully read the question and answer accordingly. What will be the output for following code? public class Exception1 { public static void main(String[]args) { System.out.println("A"); try { System.exit(0); }catch(Exception e) { System.out.println("B"); } System.out.println("C"); } } }	A,C	A	Compilation error	None of the listed options		0	1	0	0

Question										
Carefully read the question and answer accordingly. Which is/are true among given statements	A ClassNotFoundException is thrown when the reported class is not found by the ClassLoader in the CLASSPATH.	NoClassDefFoundError means that the class was found by the ClassLoader however when trying to load the class, it ran into an error reading the class definition.	NoClassDeffFoundError is a subClass of ClassNotFoundException	None of the options		0.5	0.5	0	0	

Carefully read the question and answer accordingly.
What will be the output for following code?
public class Exe3
{
 public static void main(String[]args)
 {
  try
  {
  int i=10;
  int j=i/0;
  return;
 }catch(Exception e)
 {
 System.out.println("welcome");
 }
 System.out.println("error");
 }
}
1.welcome
2.error
3.compilation error
	1&2	1&2&3	1&3	2	2&3	1	0	0	0	0

Question	Option A	Option B	Option C	Option D	Option E					
Carefully read the question and answer accordingly. which are true for try block	Try block always needed a catch block followed	if exception occurs, control switches to following first Catch block	catch block is not mandate always only finally followed by try can be executed	after switching from try block to catch block the control never come back to try block to execute rest of the code			0	0	0.5	0.5

Carefully read the question and answer accordingly.
What will be the output of 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(ArithmeticException 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);
}
}
1.0
2.1
3.3
4.4.
	1&2	1&2&3	1&3&4	1&2&4	2&4	0	0	1	0	0

Carefully read the question and answer accordingly. Consider the following code:
1 public class FinallyCatch {
2   public static void main(String args[]) {
3   try {
4   throw new java.io.IOException();
5   }
6   }
7 }
Which of the following is true regarding the above code?
	Shows unhandled exception type IOException at line number 4	Shows unhandled exception type IOException at line number 5	Demands a finally block at line number 4	Demands a finally block at line number 5		0	0	0	1	

Carefully read the question and answer accordingly. Which of the following exception is not mandatory to be handled in code?	IOException	FileNotFoundException	SQLException	NullPointerException		0	0	0	1	

Carefully read the question and answer accordingly. 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(Exception e) {
 System.out.println(2);
} catch(ArithmeticException e) {
System.out.println(0);
}
 finally {
System.out.println(3);
}
}
}
	2		3	compilation error		0	0	0	1	

Carefully read the question and answer accordingly. select true or false . Statement : Throwable is the super class of all exceptional type classes.	TRUE	FALSE				1	0			

Question	A	B	C	D					
Carefully read the question and answer accordingly. try and throws keywords are used to manually throw an exception?	TRUE	FALSE				0	1		
Carefully read the question and answer accordingly. RuntimeException is the superclass of those exceptions that can be thrown during the normal operation of the Java Virtual Machine.	TRUE	FALSE				1	0		
Carefully read the question and answer accordingly. Which of the following statement is true regarding implementing user defined exception mechanisms? Statement A: It is valid to derive a class from java.lang.Exception Statement B: It is valid to derive a class from java.lang.RuntimeException	Both Statements A and B are true	Statement A is true and Statement B is false	Statement A is false and Statement B is true	Both Statements A and B are false		1	0	0	0
Carefully read the question and answer accordingly. Which of the following statement is true regarding try-catch-finally?	An exception which is not handled by a catch block will be handled by subsequent catch blocks	A catch block can have another try block nested inside	Both catch block and finally block can throw exceptions	All of the listed options		0	0	0	1
Carefully read the question and answer accordingly. Which of these keywords are a part of exception handling?	try	final	thrown	catch		0.5	0	0	0.5
Carefully read the question and answer accordingly. Error is the sub class of Throwable	TRUE	FALSE				1	0		
Carefully read the question and answer accordingly. Which of these keywords is used to explicitly throw an exception?	try	finally	throw	throwable		0	0	1	0

Question	Option A	Option B	Option C	Option D	Option E					
Carefully read the question and answer accordingly. is it valid to place some code in between try and catch blocks.	TRUE	FALSE				0	1			
Carefully read the question and answer accordingly. which are correct for checked exceptions	A checked exception is a subclass of throwable class	error and checked exceptions are same.	Checked exceptions are the object of the Exception class or any of its subclasses except Runtime Exception class.	All runtime exceptions are checked exceptions		0.5	0	0.5	0	
Carefully read the question and answer accordingly. Try can be followed with either catch or finally. State True or False.	TRUE	FALSE				1	0			
Carefully read the question and answer accordingly. Which is the super class for Exception and Error?	Throwable	throws	throw	RuntimeException		1	0	0	0	
Carefully read the question and answer accordingly. The finally block always executes when the try block exits. State True or False.	TRUE	FALSE				1	0			
Carefully read the question and answer accordingly. Select two runtime exceptions. 1.SQLException 2.NullPointerException 3.FileNotFoundException 4.ArrayIndexOutOfBoundsException 5.IOException	1&2	1&5	2&3	1&4	2&4	0	0	0	0	1
Carefully read the question and answer accordingly. Propagating exceptions across modules is not possible without throw and throws keyword. State True or False.	TRUE	FALSE				0	1			

Carefully read the question and answer accordingly.
What will be the output for following code?
public class Exe3 {
public static void main(String[]args){
 try{
int i=10;
int j=i/0;
return;
}catch(Exception e){
try{
System.out.println("welcome");
return;
}catch(Exception e1){
}
System.out.println("error");
}
}
}
	welcome	error	compilation error	None of the listed options		1	0	0	0

Carefully read the question and answer accordingly.
What will be the output for following code?
class super5{
 void Get()throws Exception{
System.out.println("IOException");
}
}
public class Exception2 extends super5{
public static void main(String[]args){
super5 o=new super5();
try{
o.Get();
 }catch(IOException e){
}
}
}
	IOException	compilation error	Runtime error	None of the listed options		0	1	0	0

Carefully read the question and answer accordingly. Serialization is representing object in a sequence of bytes. State True or False.	TRUE	FALSE				1	0		
Carefully read the question and answer accordingly. Serialization is JVM independent.State True or False.	TRUE	FALSE				1	0		

Question	Option A	Option B	Option C	Option D		A	B	C	D	
Carefully read the question and answer accordingly. Statement 1:static variables can be serialized Statement2:transient variables cannot be serialized which of the following is true?	statement 1:true statement 2:true	statement 1:false statement2 :true	statement 1:false statement2 :false	statement 1:true statement 2:false		0	1	0	0	
Carefully read the question and answer accordingly. select the correct statements about BufferedOutputStream class	BufferedOutputStream class is a member of Java.io package	setting up BufferedOutputStream an , an application can write bytes to the underlying output stream without necessarily causing a call to the underlying system for each byte written.	it has flush() method	As bytes from the stream are read or skipped, the internal buffer is refilled as necessary from the contained input stream, many bytes at a time.		0.33	0.33	0.33	0	
Carefully read the question and answer accordingly. DataInputStream is not necessarily safe for multithreaded access.	TRUE	FALSE				1	0			
Carefully read the question and answer accordingly. Which of the following is a marker interface used for object serialization?	Runnable	Serializable	Externaliza ble	None of the listed options		0	1	0	0	
Carefully read the question and answer accordingly. InputStream is the class used for stream of characters. State True or False.	FALSE	TRUE				1	0			
Carefully read the question and answer accordingly. BufferedWriter constructor CAN ACCEPT Filewriter Object as a parameter. State True or False.	TRUE	FALSE				1	0			

Question	A	B	C	D	E				
Carefully read the question and answer accordingly. Which of these class are the member class of java.io package?	ObjectInput	StringReader	File	String		0	0.5	0.5	0
Carefully read the question and answer accordingly. Which of these interface is not a member of java.io package?	DataInput	ObjectInput	ObjectFilter	FileFilter		0	0	1	0
Carefully read the question and answer accordingly. Which of the following are abstract classes? 1.Reader 2.InputStreamReader 3.InputStream 4.OutputStream	1&2	1&2&3	1&3&4	1&2&4	2&4	0	0	1	0	0
Carefully read the question and answer accordingly. An ObjectInputStream deserializes objects previously written using an ObjectOutputStream. State True or False.	TRUE	FALSE				1	0		
Carefully read the question and answer accordingly. The InputStream.close() method closes this stream and releases all system resources	TRUE	FALSE				0	1		
Carefully read the question and answer accordingly. State TRUE or FALSE. getParent() gives the parent directory of the file and isFile() Tests whether the file denoted by the given abstract pathname is a normal file.	TRUE	FALSE				1	0		
Carefully read the question and answer accordingly. InputStreamReader is sub class of FilterReader.	TRUE	FALSE				0	1		
Carefully read the question and answer accordingly. isFile() returns true if called on a file or when called on a directory	TRUE	FALSE				0	1		

Question										

Carefully read the question and answer accordingly.
What is the output of this program?
1. import java.io.*;
2. class files {
3. public static void main(String args[]) {
4. File obj = new File("/java/system");
5. System.out.print(obj.getName());
6. }
7. }
	java/system	/java/system	system	compilation error		0	0	1	0	

Carefully read the question and answer accordingly. Which of these class are related to input and output stream in terms of functioning?	File	Writer	Reader	OutputStream		0	0.33	0.33	0.33	
Carefully read the question and answer accordingly. The _____ statement is used inside the switch to terminate a Statement sequence	break	Jump	exit	goto	escape	1	0	0	0	0
Carefully read the question and answer accordingly. The result of 10.987+"30.765" is _____.	10.98730.765	10.9873.765	Compilation error	10.987		1	0	0	0	
Carefully read the question and answer accordingly. Data can be passed to the function ____	by value	by reference	Both by value & reference	none of these		1	0	0	0	
Carefully read the question and answer accordingly. _____ is a multi way branch statement	switch	continue	break	label	branch	1	0	0	0	0
Carefully read the question and answer accordingly. Which of the following is a loop construct that will always be executed once?	switch	for	while	do …. While	for..each	0	0	0	1	0

Question	A	B	C	D	E					

Carefully read the question and answer accordingly.
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);`
`}`
`}`
	compilation error	0,6	6,0	0,5			0	1	0	0

Carefully read the question and answer accordingly. What is the number of bytes used by Java primitive long	The number of bytes is compiler dependent	2	4	8	64	0	0	0	1	0
Carefully read the question and answer accordingly. We can use Wrapper objects of type int, short, char in switch case. State True or False.	TRUE	FALSE				1	0			

Carefully read the question and answer accordingly.
What happens when the following code is compiled and run. Select the one correct answer.
`    for(int i = 1; i < 3; i++)`
`      for(int j = 3; j >= 1; j--)`
`        assert i!=j : i;`
	The class compiles and runs, but does not print anything.	The number 1 gets printed with AssertionError	The number 2 gets printed with AssertionError	The number 3 gets printed with Assertion Error	The program generates a compilation error.	0	1	0	0	0

Carefully read the question and answer accordingly.
What will be the output for following code?
`public class WrapperClass12`
`{`
` public static void main(String[]args)`
` {`
`  Boolean b=true;`
`  boolean a=Boolean.parseBoolean("tRUE");`
`  System.out.println(b==a);`
` }`
`}`
	True	False	Compilation error	Runtime Exception		1	0	0	0	

Carefully read the question and answer accordingly. What will be the output for following code? public class WrapperClass1 { public static void main(String[]args){ String s="10Bangalore"; int i=Integer.parseInt(s); System.out.println(i); } }	10Bangal ore	10	Compilatio n error	Runtime Exception		0	0	0	1
Carefully read the question and answer accordingly. What will be the output for following code? public class While { public static void main(String[]args){ int a='A'; int i=a+32; while(a<='Z'){ a++; } System.out.println(i); System.out.println(a); } }	A,Z	a,z	91,97	97,91		0	0	0	1
Carefully read the question and answer accordingly. What will be the output for following code? public class WrapperClass1 { public static void main(String[]args){ Integer i=new Integer(10); Integer j=new Integer(10); System.out.println(i==j); } }	True	False	compilation error	None of the listed options		0	1	0	0
Carefully read the question and answer accordingly. What will be the output for following code? public class Wrapper2 { public static void main(String[]args){ Byte b=1; Byte a=2; System.out.println(a+b); } }	compiles and print 3	compilation error	Runtime Error	compiles and prints 12		1	0	0	0

Carefully read the question and answer accordingly.
What will be the output for following code?
public class Wrapper11
{
 public static void main(String[]args)
 {
  Long l=100;
  System.out.println(l);
 }
}
	100	Compilatio n error	code will execute with out printing	runtime Exception		0	1	0	0	

Carefully read the question and answer accordingly.
What will be the output of below code?
public class Test {
 public static void main(String[] args) {
  int i = 1;
  Integer I = new Integer(i);
  method(i);
  method(I);
 }
 static void method(Integer I) {
  System.out.print(" Wrapper");
 }
 static void method(int i) {
  System.out.print(" Primitive");
 }
}
	Primitive Wrapper	Wrapper	Primitive	Wrapper Primitive	None Of the options	1	0	0	0	0

Carefully read the question and answer accordingly.
What is the value of variable "I" after execution of following code?
public class Evaluate
{
 public static void main(String[]args)
 {
  int i=10;
  if(((i++)>12)&&(++i<15))
   System.out.println(i);
  else
   System.out.println(i);
 }
}
	10	11	12	None of the listed options		0	1	0	0	

Question	A	B	C	D	E					
Carefully read the question and answer accordingly. Each case in switch statement should end with _____ statement	default	break	continue	new	none	0	1	0	0	0
Carefully read the question and answer accordingly. Type 1 & Type 3 driver types are not vendor specific implementation of Java driver. State True or False	TRUE	FALSE				1	0			
Carefully read the question and answer accordingly. The JDBC-ODBC Bridge driver translates the JDBC API to the ODBC API and used with which of the following:	JDBC drivers	ODBC drivers	Both A and B	None of the above		0	1	0	0	
Carefully read the question and answer accordingly. A Java program cannot directly communicate with an ODBC driver because of which of the following:	ODBC written in C language	ODBC written in Java language	ODBC written in C++ language	ODBC written in Basic language		1	0	0	0	
Carefully read the question and answer accordingly. Which statements about JDBC are true? 1.JDBC has 5 types of Drivers 2.JDBC stands for Java DataBase Connectivity 3.JDBC is an API to access relational databases, spreadsheets and flat files 4.JDBC is an API to bridge the object-relational mismatch between OO programs and relational databases	1&2	3&4	2&3	1&4	2&4	0	0	1	0	0
Carefully read the question and answer accordingly. Which type of driver converts JDBC calls into the network protocol used by the database management system directly?	Type 1 driver	Type 2 driver	Type 3 driver	Type 4 driver		0	0	0	1	
Carefully read the question and answer accordingly. Which type of Statement can execute parameterized queries?	Prepared Statement	Parameteri zedStatem ent	Parameteri zedStatem ent and CallableSta tement	All kinds of Statement s (i.e. which implement a sub interface of		1	0	0	0	

				Statement)						
Carefully read the question and answer accordingly. Connection object can be initialized using which method of the Driver Manager class?	putConnection()	setConnection()	Connection ()	getConnetion()		0	0	0	1	
Carefully read the question and answer accordingly. Which of the following is true with respect to code given below? import java.sql.*; public class OracleDemo { public static void main(String [] args) throws SQLException,ClassNotFoundException { Class.forName("oracle.jdbc.driver.OracleDriver"); Connection con=DriverManager.getConnection("jdbc:oracle:thin:@PC188681:1521:training","scott","tiger"); Statement stmt=con.createStatement(); ResultSet rs=stmt.executeQuery("SELECT * FROM Person"); while(rs.next()) { System.out.println(rs.getString("column1")); } } }	The code will not compile as no try catch block specified	The code will display all values in column named column1	Class.forName must be mentioned after Connection statement	"SELECT * FROM Person" query must be passed as parameter to con.createStatement()		0	1	0	0	
Carefully read the question and answer accordingly. If your JDBC Connection is in auto-commit mode, which it is by default, then every SQL statement is committed to the database upon its completion. State True or False.	TRUE	FALSE				1	0			

Question	Option A	Option B	Option C	Option D		A	B	C	D	
Carefully read the question and answer accordingly. How can you execute a stored procedure in the database?	Call method execute() on a CallableStatement object	Call method executeProcedure() on a Statement object	Call method execute() on a StoredProcedure object	Call method run() on a Procedure Command object		1	0	0	0	
Carefully read the question and answer accordingly. 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?	Both Statement A and Statement B are True.	Statement A is True and Statement B is False.	Statement A is False and Statement B is True.	Both Statements A and B are False.		1	0	0	0	
Carefully read the question and answer accordingly. You are using JDBC-ODBC bridge driver to establish a connection with a database. You have created a DSN Mydsn. Which statement will you use to connect to the database?	Connection cn=DriverManager.getConnection("jdbc:odbc");	Connection cn=DriverManager.getConnection("jdbc:odbc:Mydsn", "username", "password");	Connection cn=DriverManager.getConnection("jdbc:odbc","username", "password");	Connection cn=DriverManager.getConnection("jdbc:odbc:dsn","username", "password");		0	1	0	0	
Carefully read the question and answer accordingly. Which of the following listed option gives the valid type of object to store a date and time combination using JDBC API?	java.util.Date	java.sql.Date	java.sql.Time	java.sql.Timestamp		0	0	0	1	
Carefully read the question and answer accordingly. Which method executes an SQL statement that may return multiple results?	executeUpdate()	executeQuery()	execute()	noexecute()		0	0	1	0	

Carefully read the question and answer accordingly. Which package contains classes that help in connecting to a database, sending SQL statements to the database, and processing the query results	connectio n.sql	db.sql	pkg.sql	java.sql		0	0	0	1
Carefully read the question and answer accordingly. Which method sets the query parameters of the PreparedStatement Object?	putString()	insertString ()	setString()	setToStrin g()		0	0	1	0
Carefully read the question and answer accordingly. What is correct about DDL statements?	DDL statement s are treated as normal SQL statement s, and are executed by calling the execute() method on a Statement (or a sub interface thereof) object	To execute DDL statements, you have to install additional support files	DDL statements cannot be executed by making use of JDBC, you should use the native database tools for this.	Support for DDL statement s will be a feature of a future release of JDBC		1	0	0	0
Carefully read the question and answer accordingly. What is the state of the parameters of the PreparedStatement object when the user clicks on the Query button?	initialized	started	paused	stopped		1	0	0	0
Carefully read the question and answer accordingly. executeUpdate() & execute() are valid methods that can be used for executing DDL statements. State True or False	TRUE	FALSE				1	0		
Carefully read the question and answer accordingly. Which object provides you with methods to access data from the table?	ResultSet	Parametriz ed	TableState ment	Condition		1	0	0	0

Question	Option A	Option B	Option C	Option D						
Carefully read the question and answer accordingly. The method Class.forName() is a part of JDBC API. State True or False.	TRUE	FALSE				0	1			
Carefully read the question and answer accordingly. Which object allows you to execute parametrized queries?	ResultSet	Parametrized	PreparedStatement	Condition		0	0	1	0	
Carefully read the question and answer accordingly. Which method executes a simple query and returns a single Result Set object?	executeUpdate()	executeQuery()	execute()	noexecute()		0	1	0	0	
Carefully read the question and answer accordingly. Which packages contain the JDBC classes?	java.jdbc and javax.jdbc	java.jdbc and java.jdbc.sql	java.sql and javax.sql	java.rdb and javax.rdb		0	0	1	0	
Carefully read the question and answer accordingly. You are writing a query to select all employees whose salary is less than the average of all the employees' salaries in the same department. Which query will help you to achieve your goal?	select ename ,sal ,deptno from emp a where a.sal < (select avg(sal) from emp b where a.deptno = b.deptno) order by deptno;	select ename ,sal ,deptno from emp a where a.sal > (select avg(sal) from emp b where a.deptno = b.deptno) order by deptno;	select ename ,sal ,deptno from emp a where a.sal <= (select avg(sal) from emp b where a.deptno = b.deptno) order by deptno;	select ename ,sal ,deptno from emp a where a.sal in (select avg(sal) from emp b where a.deptno = b.deptno) order by deptno;		1	0	0	0	

Question											
Carefully read the question and answer accordingly. With SQL, how can you find the range for the price between 2000 and 8000 in item table? 1.Select * from item where price between 2000 and 8000. 2.Select * from item where price >=2000 and price <=8000. 3.Select * from item where price <>2000 and price !=8000. 4.Select * from item where price >2000 and price <8000.	1&2	3&4	2&3	1&4	2&4	1	0	0	0		0
Carefully read the question and answer accordingly. Examine the table structure of Employee Ename Ecode Dept John 1 Sal Smith 3 Mar Max 2 Sal Joe 4 Mar Laura 5 Dep What will be the output of below query ? select decode(Ecode,5,'Department',4,'Marketing',3,'Marketing','Sales') as result from Employee;	Query contains error	Sales Marketing Sales Marketing Department	Department Marketing Marketing Sales Sales	Cannot predict the output of the query		0	1	0	0		
Carefully read the question and answer accordingly. What will be the output of the query? Select trim(0 from '00003443500') from dual?	Query contains error	34435	3443500	3443500	344350	0	1	0	0		0
Carefully read the question and answer accordingly. What will be the output of the below query? select to_CHAR(sysdate+(10/1400),'HH:MI:SS') from dual;	adds 10 seconds to the current Timestamp	adds 10 minutes to the current Timestamp	adds 10 days to the current Timestamp	query contains error	date functions cannot be converted into char	0	1	0	0		0

Question	Option A	Option B	Option C	Option D	Option E				
Carefully read the question and answer accordingly. Which of the following integrity rules of SQL states that if a relational table has a foreign key, then every value of the foreign key must either be null or match the values in the relational table in which that foreign key is a primary key?	Referential Integrity	Domain Integrity	Entity Integrity	Table Integrity		1	0	0	0
Carefully read the question and answer accordingly. What will be the result of the following code? SELECT (2+3*4/2−5) FROM dual;	3	2	The above query contains an error	5	20	1	0	0	0	0
Carefully read the question and answer accordingly. What will be the output of the below query? select instr('My SQL World','a') from dual;	Query contains error	Prints 0	Prints -1	Prints 6	Prints 14	0	1	0	0	0
Carefully read the question and answer accordingly. What will be the output of the below query? SELECT * FROM suppliers WHERE supplier_name LIKE '!%' escape '!';	Query will generate an error	All supplier record will be displayed	All supplier record whose name starts with % will be displayed	All supplier record whose name starts with ! will be displayed	None of the listed options	0	0	1	0	0
Carefully read the question and answer accordingly. Statement A:Listener process scans for connection requests to an Oracle Instance Statement B:Listener process links up a dispatcher process to user process. which of the following is true?	Both Statements A and B are true	Statement A is true and Statement B is false	Statement A is false and Statement B is true	Both Statements A and B are false		1	0	0	0
Carefully read the question and answer accordingly. What will be the output of the below query? select Stud_name from (select rank() over(order by Marks desc) as rank ,Stud_name from StudentDetails order by Stud_name --LINE 1) where rank > 3	Top 2 student record with highest marks will be displayed	Top 2 student record with lowest marks will be displayed	Query will generate an error	If LINE 1 is removed than the query will execute		0	1	0	0

Question	Option 1	Option 2	Option 3	Option 4	Option 5					
Carefully read the question and answer accordingly. Which of the following statement is True with respect to Query Flash Back?	For using flashback query, the server need not be configured to use Automatic Undo Management.	Flashback Query needs to be enabled and disabled using the DBMS_FLASHBACK package.	Flashback Query does not apply to code objects like Packages, Procedures, Function or Triggers	None of the listed options		0	1	0	0	
Carefully read the question and answer accordingly. Identify the correct syntax to create a sequence which generates values as 2,4,6,8,10?	Create sequence MySeq Start with 2 Increment by 1	Create sequence MySeq (Start with 2 Increment by 1)	Create sequence MySeq (Start with 2 Increment by 2)	Create sequence MySeq Start with 2 Increment by 2	Create sequence MySeq as Start with 2 Increment by 2	0	0	0	1	0
Carefully read the question and answer accordingly. A dropped table can be restored by issuing this command. FLASHBACK TABLE Supplier TO BEFORE DROP; State True or False.	TRUE	FALSE				1	0			
Carefully read the question and answer accordingly. Evaluate the CREATE TABLE statement: CREATE TABLE products (product_id NUMBER(6) CONSTRAINT prod_id_pk PRIMARY KEY, product_name VARCHAR2(15)); Which statement is true regarding the PROD_ID_PK constraint?	It would be created only if a unique index is manually created first.	It would be created and would use an automatically created unique index.	It would be created and would use an automatically created nonunique index.	It would be created and remains in a disabled state because no index is specified in the command.		0	1	0	0	

Question	Option A	Option B	Option C	Option D	Option E					
Carefully read the question and answer accordingly. Evaluate the following SQL statements that are issued in the given order: CREATE TABLE emp (emp_no NUMBER(2) CONSTRAINT emp_emp_no_pk PRIMARY KEY, enameVARCHAR2(15), salary NUMBER(8,2), mgr_no NUMBER(2) CONSTRAINT emp_mgr_fk REFERENCES emp); ALTER TABLE emp DISABLE CONSTRAINT emp_emp_no_pk CASCADE; ALTER TABLE emp ENABLE CONSTRAINT emp_emp_no_pk; What would be the status of the foreign key EMP_MGR_FK?	It would be automatically enabled and deferred.	It would be automatically enabled and immediate.	It would remain disabled and has to be enabled manually using the ALTER TABLE command.	It would remain disabled and can be enabled only by dropping the foreign key constraint and re-creating it.	It would remain disabled and has to be enabled manually using the ALTER Constraint command.	0	0	1	0	0
Carefully read the question and answer accordingly. Program Global Area (PGA) contain Data and control information for a Server process? State True or False.	TRUE	FALSE				1	0			
Carefully read the question and answer accordingly. Which of the following gives the order of Database administrative steps needed to open an Oracle Database?	Start an instance, Open the Database, Mount the database	Mount the database, Start the instance, Open the database	Start an instance, Mount the database, Open the database	Start the database, Start the instance, Mount the Database		0	0	1	0	
Carefully read the question and answer accordingly. When Oracle starts an instance, it reads the server parameter file called _____.	SYSOPER FILE	SPFILE	SYSDBA FILE	PFile		0	1	0	0	
Carefully read the question and answer accordingly. The user SCOTT who is the owner of ORDERS and SUPPLIERS tables issues the following GRANT command: GRANT ALL ON orders, Suppliers TO PUBLIC; What correction needs to be done to the above statement?	PUBLIC should be replaced with specific usernames.	ALL should be replaced with a list of specific privileges.	WITH GRANT OPTION should be added to the statement.	Separate GRANT statements are required for ORDERS and		0	0	0	1	

				SUPPLIE RS tables.						
Carefully read the question and answer accordingly. Which of the following is used to store the most recently executed SQL statements and the most recently used data definitions?	Data Pool	Data Dictionary Cache	Shared Pool	Library Cache		0	0	1	0	
Carefully read the question and answer accordingly. Identify the circumstance under which you will create an Index?	A column contains a wide range of values.	A column contains large number of null values.	One or more columns are frequently used together in a where clause or a join condition.	The table is large and most queries are expected to retrieve less than 2 to 4 % of the rows.	All of the listed options	0	0	0	0	1
Carefully read the question and answer accordingly. You are using the system account to create a synonym as follows: Create synonym User for UserDetails Which statements are true with respect to the above synonym?	A synonym with the name UserDetail s is created and only system can access it	A synonym with the name UserDetails is created and any user can access it	A synonym with the name User is created and only system can use it	A synonym with the name User is created and any user can access it	Incorrect syntax to create a synonym	0	0	1	0	0
Carefully read the question and answer accordingly. Oracle instance comprises of background processes and memory structure. State True or False.	TRUE	FALSE				1	0			

Question	Option 1	Option 2	Option 3	Option 4	Option 5					
Carefully read the question and answer accordingly. In Oracle10g database, control files contain information that describes the names, locations, and sizes of the database files. State true or False.	TRUE	FALSE				1	0			
Carefully read the question and answer accordingly. How to drop all tables from recycle bin?	PURGE DBA_RECYCLEBIN	PURGE RECYCLEBIN	DROP ALL_TABLE_RECYCLEBIN	DROP DBA_RECYCLEBIN	Cannot drop tables from Recycle Bin	1	0	0	0	0
Carefully read the question and answer accordingly. Which of the following parameter in Query Flashback clearly defines the maximum time period that the database can be flashbacked?	UNDO_MANAGEMENT	UNDO_TABLESPACE	UNDO_RETENTION	DBA_UNDO_EXTENTS		0	0	1	0	
Carefully read the question and answer accordingly. When a database is created the users SYS and SYSTEM are created automatically and granted the DBA role. State True or False.	TRUE	FALSE				1	0			
Carefully read the question and answer accordingly. Identify the below statement: STATEMENT A : In Oracle 10g the default action of a DROP TABLE command is to move the table to the recycle bin (or rename it), rather than actually dropping it. STATEMENT B: PURGE option can be used to permanently drop a table.	Both statement A and B are True.	Statement A is true and B is False.	Statement B is true and A is False.	Both statements A and B are False.		1	0	0	0	

Question	A	B	C	D	E					
Carefully read the question and answer accordingly. SELECT e.EMPLOYEE_ID,e.LAST_NAME,e.DEPARTMENT_ID, d.DEPARTMENT_NAME FROM EMP e, DEPARTMENT d WHER e.DEPARTMENT_ID = d.DEPARTMENT_ID; In the statement, which capabilities of a SELECT statement are performed?	Selection, Projection, Join	Difference, Projection, Join	Selection, Intersection, Join	Intersection, Projection, Join		1	0	0	0	
Carefully read the question and answer accordingly. What is true about joining tables through an equijoin?	You can join a maximum of two tables through an equijoin.	You can join a maximum of two columns through an equijoin.	You specify an equijoin condition in the SELECT or FROM clauses of a SELECT statement.	To join two tables through an equijoin, the columns in the join condition must be primary key an foreign key columns.	You can join "n" tables(all having single column primary keys)in a SQL statement by specifying a minimum of "n-1" join conditions.	0	0	0	0	1
Carefully read the question and answer accordingly. 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 max(sal) from emp);	Select count(*) from emp where sal > (select Avg(sal) from emp);	Select count(*) from emp where sal > (select Average(sal) from emp);	Select count(*) from emp where sal exist (select avg(sal) from emp);	Select count(*) from emp where sal in (select avg(sal) from emp);	0	1	0	0	0

Question	Option A	Option B	Option C	Option D	Option E					
Carefully read the question and answer accordingly. John wants to retrieve all the employee details whose Employee Number matches to any of the Department Number. Help john to achieve his task	select empName , empNo from emp where empno = (select deptNo from dept)	select empName , empNo from emp where empno exists (select deptNo from dept)	select empName , empNo from emp where empno in (select deptNo from dept)	select empName , empNo from emp where empno has Any (select deptNo from dept)	select empName , empNo from emp where empno between (select deptNo from dept)	0	0	1	0	0
Carefully read the question and answer accordingly. An outer join returns all rows that satisfy the join condition and those rows from one table for which no rows from the other satisfy the join condition. State True or False.	TRUE	FALSE				1	0			
Carefully read the question and answer accordingly. Which of the Following Statements are true? Statement A : Join permanently joins two tables having 1 or more common attributes Statement B: Inner Joins are also called as EQUI Joins	Statement A is true and B is false.	Statement A is false and B is true.	Both statements A and B are true.	Both statements A and B are false.		0	1	0	0	
Carefully read the question and answer accordingly. In which case should you use a FULL OUTER JOIN?	Both tables have NULL values.	You want all unmatched data from one table.	You want all matched data from both tables.	You want all unmatched data from both tables.	You want all matched and unmatched data from only one table.	0	0	0	1	0
Carefully read the question and answer accordingly. Identify the type of join used in the below query SELECT empName,DeptNo,DeptName FROM Emp, Dept WHERE Emp.DeptId >Dept.DeptId	Equi Join	Natural Join	Non Equi Join	Invalid Syntax for Join	Inner Join	0	0	1	0	0

Question										
Carefully read the question and answer accordingly. Which of the following statements are true ? Statement A: The ANY operator compares the main query with any of the values returned by the inner query. Statement B: The ALL operator compares a value to every value return by the sub query.	Statement A is true and B is false.	Statement A is false and B is true.	Both statements A and B are true.	Both statements A and B are false.		0	0	1	0	
Carefully read the question and answer accordingly. Which of the following is the correct syntax for left outer join ? 1.select Stud_Name , clg_Name from student s left outer join college c on s.clg_code = c.clg_code 2.select Stud_name , clg_Name from studentDemo s ,collegeDemo c where s.clg_code = c.clg_code(+) 3.select Stud_name , clg_Name from studentDemo s ,collegeDemo c where s.clg_code(+) = c.clg_code 4.select Stud_Name , clg_Name from student s outer join left college c on s.clg_code = c.clg_code 5.select Stud_Name , clg_Name from student s left outer join college c where s.clg_code = c.clg_code	1&2	1&5	2&3	1&4	2&4	1	0	0	0	0
Carefully read the question and answer accordingly. Which two statements are true regarding the USING clause in table joins? 1. It can be used to join a maximum of three tables. 2. It can be used to restrict the number of columns used in a NATURAL join. 3. It can be used to access data from tables through equijoins as well as nonequijoins. 4. It can be used to join tables that have columns with the same name and compatible data types.	1&2	3&4	2&3	1&4	2&4	0	0	0	0	1

Question	A	B	C	D		A	B	C	D	
Carefully read the question and answer accordingly. What's the result of the following concatenation 'apple' || NULL || NULL || 'sauce'	apple sauce	NULL	applesauce	None of the listed option		0	0	1	0	
Carefully read the question and answer accordingly. Which statements are true about IN parameter?	IN Parameter is the default parameter.	IN Parameter value should be passed to the procedure for processing.	The same parameter will serve as input and output.	The IN parameter is a variable whose value will change in the invoked procedure.		0.5	0.5	0	0	
Carefully read the question and answer accordingly. What is an EXIT - WHEN statement?	The EXIT-WHEN statement lets a loop complete unconditionally.	When the EXIT statement is encountered, the condition in the WHEN clause is evaluated. If the condition is true, the loop completes and control passes to the next statement after the loop	The EXIT-WHEN statement replaces a simple IF statement.	None of the above		0	0.5	0.5	0	
Carefully read the question and answer accordingly. Which of the values can be assigned to a Boolean variable ?	TRUE	FALSE	NULL			0.33	0.33	0.33	0	

Carefully read the question and answer accordingly. What is meant by %Type?	We can use the %TYPE attribute as a datatype specifier when declaring constants, variables, fields, and parameters.	Column constraints, such as the NOT NULL and check constraint, or default values are not inherited by items declared using %TYPE.	Column constraints, such as the NOT NULL and check constraint, or default values are inherited by items declared using %TYPE.	%TYPE is used when declaring variables to hold database table values		0.33	0.33	0	0.33	
Carefully read the question and answer accordingly. You must declare each variable of same data type separately	TRUE	FALSE				1	0			
Carefully read the question and answer accordingly. Pick the advantage of declaring a variable using %TYPE attribute. For example: v_last_name employees.last_name%TYPE.	you need not know the exact datatype of last_name	memory consumption is less	if you change the database definition of last_name, perhaps to make it a longer character string, the datatype of v_last_name changes accordingly at run time.	faster processing		1	0	0	0	
Carefully read the question and answer accordingly. Fields in a %ROWTYPE record inherit constraints	TRUE	FALSE				0	1			

Question										

Carefully read the question and answer accordingly. 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
	Employee name whose employee no is 101172 is printed	All employee names will be printed	Employee name whose employee no is 101172 is printed if serveroutput is on	The code does not compile at all	Compiles and runs without any output	0	0	0	1	0

Carefully read the question and answer accordingly. Predict the value of variable named "B" ?
DECLARE
A BOOLEAN := NULL;
B BOOLEAN;
BEGIN
B := A IS NULL;
IF B IS NULL THEN
  DBMS_OUTPUT.PUT_LINE('HI');
END IF;
END;
	TRUE	FALSE	NULL	BLANK SPACE		0	0	1	0	

Carefully read the question and answer accordingly. State True or False, What are the two types of conversion between datatypes? 1)Explicit datatype conversion 2)Implicit datatype conversion	TRUE	FALSE				1	0			
Carefully read the question and answer accordingly. PL/SQL treats any zero-length string as _____	blank space	NULL	string	character		0	1	0	0	
Carefully read the question and answer accordingly. In conditional control statements, if the condition yields NULL, its associated sequence of statements is not executed	TRUE	FALSE				1	0			

Question	A	B	C	D	E					
Carefully read the question and answer accordingly. Which of the following statements are true? 1.A PL/SQL block has three parts, declarative part, an executable part and an exception handling part. 2.Declarative and Executable block are Mandatory 3. A PL/SQL Block can be anonymous or named 4. Identifiers in PL/SQL can contain max 35 character 5. Blocks of PL/SQL statements are translated by the PL/SQL engine that can reside either in the client or at the server side.	1&2	1&2&3	1&3&4	1&2&4	1&3&5	0	0	0	0	1
Carefully read the question and answer accordingly. DECLARE v_boolean BOOLEAN; BEGIN v_boolean := 'TRUE'; DBMS_OUPUT.PUT_LINE(v_boolean); END; Predict the output of the program ?	TRUE	Leads to compilation error	Displays nothing	Leads to Exception		0	1	0	0	
Carefully read the question and answer accordingly. How to display output from PLSQL?	DBMS_OUTPUT.PUT_LINE	DBMS_OUTPUT.PUT LINE	DBMSOUTPUT.PUT_LINE	DBMS_OUTPUT.PUT_LINE(' The employee name is : X')		0.5	0	0	0.5	
Carefully read the question and answer accordingly. Pick the CORRECT statement about %TYPE variables such as the NOT NULL or or default values	%TYPE variables do not inherit NOT NULL constraints	%TYPE variables do not inherit check constraint,	%TYPE variables do not inherit default values	%TYPE variables inherit default values		0.33	0.33	0.33	0	

Question	Option A	Option B	Option C	Option D	Option E					

Carefully read the question and answer accordingly.
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
	Runs without any output	Compilation fails	Compiles , executes and Prints 100	Compiles , executes and Prints 50	Compilation fails due to error on line 1	0	0	0	1	0

Carefully read the question and answer accordingly. In Oracle PL/SQL by default, variables are initialized to NULL.	TRUE	FALSE				1	0			
Carefully read the question and answer accordingly. The %ROWTYPE attribute provides a record type that represents a row in	view	index	table	nested table		0.5	0	0.5	0	
Carefully read the question and answer accordingly. What are the true aspects about the %NOTFOUND attribute?	Returns NULL if the cursor is open but fetch has not been executed.	Return FALSE if no rows was returned	Return FALSE if a successful fetch has been executed.	Return the number of rows fetched		0.5	0	0.5	0	

Question	Option A	Option B	Option C	Option D	Option E					
Carefully read the question and answer accordingly. In SQL, which of the following is NOT true with respect to Primary Key?	A Default index is created in the column which acts as a Primary key.	Primary Key constraint has to be explicitly dropped before completely removing the table.	A primary key can be referenced in another table as a Foreign Key.	In a table, if no single column can be assigned uniquely as primary key, then a combination of two columns can act as a Primary Key.		0	1	0	0	
Carefully read the question and answer accordingly. Identify the type of variable declared VARIABLE City Varchar2(20).	Bind Variable	Host Variable	Invalid Variable declaration	Global Variable	None of the listed options	1	0	0	0	0
Carefully read the question and answer accordingly. Which is called as index-by tables ?	Nested tables	Associative arrays	Varrays	None of the listed option		0	1	0	0	
Carefully read the question and answer accordingly. If the declaration is Number (4,5) and the assigned value is 123.4567 , what is the stored value?	Error , exceeds precision	12345.567	1234.5567	1.2345567		1	0	0	0	
Carefully read the question and answer accordingly. Consider the following statements that describes a PL/SQL Block Structure: Statement1: Declare and Exception Sections are mandatory. Statement2: Begin and End Sections are optional. Which of the following is applicable for above?	Statement 1 and Statement 2 are true.	Only Statement1 is True.	Only Statement2 is False.	Statement 1 and Statement 2 are False.		0	0	0	1	

	Compilation fails due to error on line 1	Compilation fails due to error on line 2	Compiles executes and prints 12 Less	Compiles executes and prints 12 More	Compiles executes and prints 11 12 13 More					

Carefully read the question and answer accordingly.
Examine the code snippet
DECLARE Num Number;
BEGIN
Num:=10;
DECLARE
Num Number; --LINE 1
BEGIN
Num:=12;
while(Num<13)
loop
dbms_output.put_line(Num);
Num:=Num+1;
END loop;
END;
if Num < 12 --LINE 2
then
dbms_output.put_line('Less');
end if;
END;
/
What will be the result of the above code?
	Compilation fails due to error on line 1	Compilation fails due to error on line 2	Compiles executes and prints 12 Less	Compiles executes and prints 12 More	Compiles executes and prints 11 12 13 More	0	0	1	0	0

Question	Option A	Option B	Option C	Option D					
Carefully read the question and answer accordingly. What is meant by case statements in PLSQL?	The CASE statement selects one sequence of statements to execute. To select the sequence, the CASE statement uses a selector rather than multiple Boolean expressions. A selector is an expression whose value is used to select one of several alternatives	The selector is followed by one or more WHEN clauses, which are checked sequentially. The value of the selector determines which clause is executed. If the value of the selector equals the value of a WHEN-clause expression, that WHEN clause is executed	The ELSE clause does not works similarly to the ELSE clause in an IF statement	CASE statements can be labeled		0.33	0.33	0	0.33
Carefully read the question and answer accordingly. The patterns matched by LIKE can include two special-purpose characters called wildcards.	_(underscore)	.- (hyphen)	%(percent sign)	* (asterisk)		0.5	0	0.5	0
Carefully read the question and answer accordingly. Comparisons involving nulls always yield NULL	TRUE	FALSE				1	0		

Carefully read the question and answer accordingly. What are the true aspects of PLSQL?	A package specification can exists without a package body	A package body appears without package specification	A package can be invoked by itself.	The Subprograms that are present inside a package cannot exists separately as database objects.		0.5	0	0	0.5	
Carefully read the question and answer accordingly. Pick the valid constant declaration in PL/SQL	max_days_in_year CONSTANT INTEGER;	max_days_in_year CONSTANT INTEGER := 366;	CONSTANT max_days_in_year INTEGER := 366;	None of the listed option		0	1	0	0	
Carefully read the question and answer accordingly. What will be the old and new value of a database column before AFTER and DELETE operation?	Value before change (:OLD) : Null Value After change (:NEW) : Null	Value before change (:OLD) : Value before delete Value After change (:NEW) : Null	Value before change (:OLD) : Null Value After change (:NEW) : Not Null	None of the above		0	1	0	0	

Question	Option A	Option B	Option C	Option D		A	B	C	D	
Carefully read the question and answer accordingly. What are the restrictions of GO TO statements?	A GOTO statement cannot transfer control into an IF statement, CASE statement, LOOP statement, or sub-block.	A GOTO statement can transfer control from one IF statement clause to another, or from one CASE statement WHEN clause to another.	A GOTO statement can transfer control into an exception handler.	A GOTO statement cannot transfer control out of a subprogram.		0.5	0	0	0.5	
Carefully read the question and answer accordingly. What does an EXIT statement do in PLSQL?	The EXIT statement forces a loop to complete unconditionally	When an EXIT statement is encountered, the loop completes immediately and control passes to the next statement	When an EXIT statement is encountered, the loop completes immediately and control passes to the end of the program	When an EXIT statement is encountered, the loop does not gets completed immediately and control passes to the end of the program		0.5	0.5	0	0	
Carefully read the question and answer accordingly. You cannot assign nulls to a variable defined as NOT NULL. If you try, PL/SQL raises the predefined exception _____	STORAGE_ERROR	VALUE_ERROR	SELF_IS_NULL	PROGRAM_ERROR		0	1	0	0	
Carefully read the question and answer accordingly. Which of the following statement is TRUE (i) Strong REF CURSOR types are less error prone (ii) Weak REF CURSOR types are not flexible	(i)	(ii)	(i) & (ii)	None of the listed option		1	0	0	0	

Question	Option A	Option B	Option C	Option D		Score A	Score B	Score C	Score D	
Carefully read the question and answer accordingly. Which of the following logically related components can be grouped in a PL/SQL package ?	PL/SQL types	exceptions	procedures	functions		0.25	0.25	0.25	0.25	
Carefully read the question and answer accordingly. A PL/SQL function can return more than one value from a function using PL/SQL record or PL/SQL table	TRUE	FALSE				1	0			
Carefully read the question and answer accordingly. User-defined PL/SQL functions can be used in	The SELECT list or clause of a query	Conditional expressions of the WHERE and HAVING clauses	The VALUES clause of the INSERT statement	The SET clause of the UPDATE statement		0.25	0.25	0.25	0.25	
Carefully read the question and answer accordingly. which parameter passing mode passes a value from the calling environment to the procedure and a possibly different value from the procedure back to the calling environment using the same parameter ?	IN	OUT	IN OUT	None of the listed option		0	0	1	0	
Carefully read the question and answer accordingly. Which of the following sections can be present in an anonymous PL/SQL block?	Declaration	Executable	Exception	All Listed options		0	0	0	1	

Question										
Carefully read the question and answer accordingly. Which code can you use to ensure that the salary is not increased by more than 10% at a time nor is it ever decreased?	ALTER TABLE emp ADD CONSTRAINT ck_sal CHECK (sal BETWEEN sal AND sal*1.1);	CREATE OR REPLACE TRIGGER check_sal BEFORE UPDATE OF sal ON emp FOR EACH ROW WHEN (new.sal < old.sal OR new.sal > old.sal * 1.1) BEGIN RAISE_APPLICATION_ERROR (- 20508, 'Do not decrease salary not increase by more than 10%'); END;	CREATE OR REPLACE TRIGGER check_sal BEFORE UPDATE OF sal ON emp WHEN (new.sal < old.sal OR new.sal > old.sal * 1.1) BEGIN RAISE_APPLICATION_ERROR (- 20508, 'Do not decrease salary not increase by more than 10%'); END;	CREATE OR REPLACE TRIGGER check_sal AFTER UPDATE OR sal ON emp WHEN (new.sal < old.sal OR -new.sal > old.sal * 1.1) BEGIN RAISE_APPLICATION_ERROR (- 20508, 'Do not decrease salary not increase by more than 10%'); END;	None of the listed options	0	1	0	0	0
Carefully read the question and answer accordingly. what is the result when we attempt to change the value of an IN parameter ?	run time exception	compile-time error	no error	None of the listed option		0	1	0	0	

Question									

Carefully read the question and answer accordingly.
CREATE OR REPLACE FUNCTION dml_call_sql(sal NUMBER)
RETURN NUMBER IS
BEGIN
INSERT INTO employees(employee_id, last_name,
email, hire_date, job_id, salary)
VALUES(1, 'Frost', 'jfrost@company.com',
SYSDATE, 'SA_MAN', sal);
RETURN (sal + 100);
END;
The above user defined PL/SQL function is called from the below UPDATE query. What is your prediction about the OUTPUT ?
UPDATE employees
SET salary = dml_call_sql(2000)
WHERE employee_id = 170;
	UPDATE will happen	throws EXCEPTION	result in mutating table error	None of the listed option			0	0	1	0

Carefully read the question and answer accordingly. A package specification can exist without a package body; that is, when the package specification does not declare subprograms a body is not required	TRUE	FALSE					1	0		
Carefully read the question and answer accordingly. There exists a procedure called add_dept with two parameters. The procedure is called as shown below EXECUTE add_dept ('ADVERTISING', loc => 1200) What type of parameter-passing is this ?	positional	named	combined(positional and named)	None of the listed option			0	0	1	0
Carefully read the question and answer accordingly. All the named parameters should precede the positional parameters in a subprogram call.	TRUE	FALSE					0	1		

Question										
Carefully read the question and answer accordingly. You need to create a trigger on the EMP table that monitors every row that is changed and places this information into the AUDIT_TABLE. What type of trigger do you create?	FOR EACH ROW trigger on the EMP table.	Statement-level trigger on the EMP table.	FOR EACH ROW trigger on the AUDIT_TABLE table.	Statement-level trigger on the AUDIT_TABLE table.	FOR EACH ROW statement-level trigger on the EMP table.	1	0	0	0	0
Carefully read the question and answer accordingly. Which two statements about packages are true? 1.Packages can be nested. 2.You can pass parameters to packages. 3.A package is loaded into memory each time it is invoked. 4.The contents of packages can be shared by many applications. 5. You can achieve information hiding by making package constructs private.	1&2	1&5	2&3	1&4	4&5	0	0	0	0	1
Carefully read the question and answer accordingly. Under which two circumstances do you design database triggers? 1.To duplicate the functionality of other triggers. 2. To replicate built-in constraints in the Oracle server such as primary key and foreign key. 3.To guarantee that when a specific operation is performed, related actions are performed 4.For centralized, global operations that should be fired for the triggering statement, regardless of which user or application issues the statement.	1&2	1&4	2&3	3&4	2&4	0	0	0	1	0
Carefully read the question and answer accordingly. The functions used in SQL statements should not use OUT or IN OUT mode parameters	TRUE	FALSE				1	0			

Question	Option A	Option B	Option C	Option D	Option E					
Carefully read the question and answer accordingly. Consider the following code segment : DECLARE TYPE first_rectype IS RECORD (var1 VARCHAR2(100) := 'Hello World'); first_rec first_rectype; TYPE second_rectype IS RECORD (nested_rec first_rectype := first_rec); second_rec second_rectype; Begin // ----line1 End Which of the following statement can be fitted at ----line1?	dbms_output.put_line(second_rec);	dbms_output.put_line(second_rec.var1);	dbms_output.put_line(second_rec.first_rec.var1);	dbms_output.put_line(second_rec.nested_rec.var1);	dbms_output.put_line(second_rec.nested_rec.first_rec.var1);	0	0	0	1	0
Carefully read the question and answer accordingly. What part of a database trigger determines the number of times the trigger body executes?	Trigger type	Trigger body	Trigger event	Trigger timing	None of the listed options	1	0	0	0	0
Carefully read the question and answer accordingly. For the parameters of the PL/SQL procedures, which cannot be specified ?	length of the parameter	precision of the parameter	datatype of the parameter	optional value for the parameter		0.5	0.5	0	0	
Carefully read the question and answer accordingly. Pick the VALID statement about PL/SQL procedure ?	PL/SQL procedure Can contain a RETURN statement without a value	PL/SQL procedure cannot contain RETURN statement without a value	PL/SQL procedure Can contain a RETURN statement with a single value	RETURN statement Not allowed in PL/SQL procedure		1	0	0	0	

Carefully read the question and answer accordingly. Which are VALID statement about PL/SQL package ?	Package body is optional	When a PL/SQL-packaged construct is referenced for the first time, the whole package is loaded into memory	The package specification may also include PRAGMAs, which are directives to the compiler	PRAGMAs are not allowed as part of package specification		0.33	0.33	0.33	0
Carefully read the question and answer accordingly. When calling a function in a SQL statement which parameter notation must be used ?	positional	named	combined(positional and named)	None of the listed option		1	0	0	0
Carefully read the question and answer accordingly. You need to disable all triggers on the EMPLOYEES table. Which command accomplishes this?	ALTER TRIGGERS ON TABLE employees DISABLE;	ALTER employees DISABLE ALL TRIGGERS;	ALTER TABLE employees DISABLE ALL TRIGGERS;	None of these commands; you cannot disable multiple triggers on a table in one command.		0	0	1	0
Carefully read the question and answer accordingly. what are the data dictionary views?	ALL_SOURCE	USER_SOURCE	USER_OBJECTS	USER_SOURCES		0.33	0.33	0.33	0

Question											

Carefully read the question and answer accordingly.
What is the sequence of output of the following code?
DECLARE
    TYPE list_of_names_t IS TABLE OF emp.ename%TYPE
     INDEX BY BINARY_INTEGER;
  family_mem list_of_names_t;
  l_row BINARY_INTEGER;
BEGIN
  family_mem (100) := 'Veena';
  family_mem (-15) := 'Sheela';
  family_mem (-30) := 'Syed';
  family_mem (88) := 'Raji';
  l_row := family_mem.FIRST;
  WHILE (l_row IS NOT NULL)
  LOOP
   DBMS_OUTPUT.put_line (family_mem(l_row));
   l_row := family_mem.NEXT (l_row);
  END LOOP;
END;
	Veena, Syed,Sheela,Raji	Sheela, Syed, Veena, Raji	Syed, Sheela,Raji, Veena	Raji, Syed, Sheela, Veena	No output is displayed.	0	0	1	0	0

Carefully read the question and answer accordingly. A procedure containing a single OUT parameter would be better rewritten as a function returning the value.	TRUE	FALSE				1	0			
Carefully read the question and answer accordingly. Which are TRUE about calling a function from SQL expressions ?	Functions called from: • A SELECT statement cannot contain DML statements	Functions called from: An UPDATE or DELETE statement on a table T cannot query or contain DML on the same table T	Functions called from: • A SELECT statement can contain DML statements	Functions called from: An UPDATE or DELETE statement on a table T can query or contain DML on the same table T		0.5	0.5	0	0	

Question	A	B	C	D			A score	B score	C score	D score	
Carefully read the question and answer accordingly. The functions can return PL/SQL specific data types such as BOOLEAN, RECORD, or TABLE	TRUE	FALSE					0	1			
Carefully read the question and answer accordingly. 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 fires successfully.	The trigger fails because it needs to be a row level AFTER UPDATE trigger.	The trigger fails because a SELECT statement on the table being updated is not allowed.	The trigger fails because you cannot use the minimum and maximum functions in a BEFORE UPDATE trigger.			0	0	1	0	
Carefully read the question and answer accordingly. Which parameter mode can be used to assign a default value in the formal parameter declaration ?	IN OUT	OUT	IN	None of the listed option			0	0	1	0	
Carefully read the question and answer accordingly. The parameters for procedures can be specified using ?	an explicit data type	Using the %TYPE definition	Using the %ROWTYPE definition	the parameter size specification			0.33	0.33	0.33	0	

Question	A	B	C	D	E					

Carefully read the question and answer accordingly.
What exception is raised when the user enters the ID as -6 in the below code?
DECLARE
  c_id customers.id%type := &cc_id;
  c_name customers.name%type;
  c_addr customers.address%type;
  -- user defined exception
  ex_invalid_id EXCEPTION;
BEGIN
  IF c_id <= 0 THEN
    RAISE ex_invalid_id;
  ELSE
    SELECT name, address INTO c_name, c_addr
    FROM customers
    WHERE id = c_id;
  END IF;
EXCEPTION
  WHEN ex_invalid_id THEN
    dbms_output.put_line('ID must be greater than zero!');
  WHEN no_data_found THEN
    dbms_output.put_line('No such customer!');
 END; /
	NO DATA FOUND exception will be raised	ex_invalid_id exception will be raised	The program will be terminated abruptly.	TOO MANY ROWS exception will be raised		0	1	0	0	

Carefully read the question and answer accordingly.
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 AgeVerify
before insert
on employee for each row
when(new.EmpAge < 0)
begin
RAISE_APPLICATION_ERROR(-20000, 'no negative age allowed');
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');	No problem in the trigger. It gives the desired result	Replacing RAISE_APPLICATION_ERROR(-20000, 'no negative age allowed'); to RAISE_APPLICATIONS_ERROR(-20000,"no negative age allowed");	Replacing RAISE_APPLICATION_ERROR(-20000, 'no negative age allowed'); to RAISE_APPLICATION_ERROR(-20000,"no	0	0	1	0	0

		will give the desired output		will give the desired output	negative age allowed") ; will give the desired output					

Carefully read the question and answer accordingly.
What is the syntax of Function?
CREATE [OR REPLACE] FUNCTION function_name [parameters]
IS
Declaration_section
RETURN return_datatype;
BEGIN
Execution_section
Return return_variable;
EXCEPTION
exception section
Return return_variable;
 END;
	TRUE	FALSE				0	1			

Carefully read the question and answer accordingly. Consider you are creating a cursor,Choose the correct sequence of steps to work with cursors?	Open , Declare , Fetch Close	Declare , Open , Fetch , Close	Open , Fetch , Close	Declare , Fetch , Open Fetch	Define , Open , Fetch , Close	0	1	0	0	0

Carefully read the question and answer accordingly. What are the restrictions of REF cursor in PLSQL?	Comparison operators cannot be used to test cursor variables for equality, inequality, null, or not null.	The value of a cursor variable can be stored in a database column	Two types of cursors are 1) Strongly typed and 2) Weakly Typed.	Null cannot be assigned to a cursor variable		0.33	0	0.33	0.33
Carefully read the question and answer accordingly. What occurs when a cursor is opened?	Opening the cursor allocates the memory first.	The select statement provided within the cursor statement gets executed when we open the cursor.	Open statement retrieves the rows from the cursor and will process it.	The active set pointer is set to the second row.		0.5	0.5	0	0
Carefully read the question and answer accordingly. What is FOR UPDATE clause in Cursors?	When we issues a SELECT.. FOR UPDATE clause the RDBMS will automatically place a locks on the all the rows identified by the select statement.	The records will be available for our changes only.	The lock will not be released even if we issue ROLLBACK or COMMIT .	None of the above		0.5	0.5	0	0

Carefully read the question and answer accordingly.
The following Block of statement is written to check the manager for each employee
declare
cursor c1 is
select ename , Mgr
from Emp;
begin
for rec in c1 LOOP
dbms_output.put_line('Employee '||rec.ename||' Works for '||rec.Mgr);
end loop;
end;
Identify errors if any in the above code and provide suitable solution
	The above code has no error and gives the desired result	Replace the above code as declare enameUser varchar(20); MrgUser varchar(20); begin select ename,Mrg into enameUser ,MrgUser from Emp; dbms_output.put_line(' Employee '||enameUser||' Works for '||MrgUser); end; /	Replace the above code as declare enameUser Emp.ename%type; MrgUser Emp.Mrg%type; begin select ename,Mrg into enameUser ,MrgUser from Emp; dbms_output.put_line(' Employee '||enameUser||' Works for '||MrgUser); end; /	Replace the code as declare EnameUser Emp.ename%type; MrgUser Emp.Mrg%type; cursor c1 is select EnameUser,MrgUser from Emp; begin open c1; loop fetch c1 into EnameUser,MrgUser; exit when c1%NOTFOUND; dbms_output.put_line(' Employee '||EnameUser||' Works for '||MrgUser); end loop; close c1; end;		1	0	0	0	

Carefully read the question and answer accordingly. You are creating a procedure which accepts the employee name and displays the employee details like Employee Name, Employee No, Manager Identify the correct syntax to achieve the desired result.	create or replace procedure prcEmp_details(EmpName varchar2) as begin declare cursor c1 is select * from Emp where Ename=EmpName; begin for rec in c1 LOOP dbms_output.put_line(rec.ename||' '||rec.empNO||' '||rec.Mrg); end loop; end; end;	create or replace procedure prcEmp_details(EmpName varchar2) as begin declare cursor c1 is select * from Emp where Ename=EmpName; begin for rec in c1 LOOP dbms_output.put_line(c1.ename||' '||c1.empNO||' '||c1.Mrg); end loop; end; end;	create or replace procedure prcEmp_details(EmpName varchar2 OUT) as begin declare cursor c1 is select * from Emp where Ename=EmpName; begin for rec in c1 LOOP dbms_output.put_line(rec.ename||' '||rec.empNO||' '||rec.Mrg); end loop; end; end;	create or replace procedure prcEmp_details(EmpName varchar2 OUT) as begin declare cursor c1 is select * from Emp where Ename=EmpName; begin for rec in c1 LOOP dbms_output.put_line(c1.ename||' '||c1.empNO||' '||c1.Mrg); end loop; end; end;	None of the listed options as procedures cannot be created for select statement	1	0	0	0	0

Question	Option A	Option B	Option C	Option D					

Carefully read the question and answer accordingly.
How to convert the following code using the cursor FOR LOOP?
 DECLARE
 CURSOR occupancy_cur IS
 SELECT pet_id, room_number
 FROM occupancy WHERE occupied_dt = SYSDATE;
 occupancy_rec occupancy_cur%ROWTYPE;
 BEGIN
 OPEN occupancy_cur;
 LOOP
 FETCH occupancy_cur INTO occupancy_rec;
 EXIT WHEN occupancy_cur%NOTFOUND;
 update_bill (occupancy_rec.pet_id, occupancy_rec.room_number);
 END LOOP;
 CLOSE occupancy_cur;
 END;
	DECLARE CURSOR occupancy_cur IS SELECT pet_id, room_number FROM occupancy WHERE occupied_dt = SYSDATE; occupancy_rec occupancy_cur%ROWTYPE; BEGIN FOR occupancy_rec IN occupancy_cur LOOP update_bill (occupancy_rec.pet_id, occupancy_rec.room_number); END LOOP; END;	DECLARE CURSOR occupancy_cur IS SELECT pet_id, room_number FROM occupancy WHERE occupied_dt = SYSDATE; BEGIN FOR occupancy_rec IN occupancy_cur LOOP update_bill (occupancy_rec.pet_id, occupancy_rec.room_number); END LOOP; END;	DECLARE CURSOR occupancy_cur IS SELECT pet_id, room_number FROM occupancy WHERE occupied_dt = SYSDATE; BEGIN FOR occupancy_rec IN occupancy_cur LOOP update_bill (occupancy_rec.pet_id, occupancy_rec.room_number); END LOOP; CLOSE occupancy_cur; END;	DECLARE CURSOR occupancy_cur IS SELECT pet_id, room_number FROM occupancy WHERE occupied_dt = SYSDATE; BEGIN OPEN occupancy_cur FOR occupancy_rec IN occupancy_cur LOOP update_bill (occupancy_rec.pet_id, occupancy_rec.room_number); END LOOP; CLOSE occupancy_cur; END;		0	1	0	0

Carefully read the question and answer accordingly. What is the syntax of PRAGMA EXCEPTION_INIT?	DECLARE exception_name EXCEPTION EXCEPTION_INIT PRAGMA (exception_name , err_code); Begin Execution section Exception WHEN exception_name THEN Handle the exception END;	DECLARE exception_name EXCEPTION PRAGMA EXCEPTION_INIT (exception_name , err_code); Begin Execution section Exception WHEN exception_name THEN Handle the exception END;	DECLARE exception_name EXCEPTION PRAGMA EXCEPTION_INIT (exception_name , err_code); Begin Execution section Exception WHEN PRAGMA exception_init THEN Handle the exception END;	DECLARE exception_name EXCEPTION PRAGMA EXCEPTION_INIT (exception_name); Begin Execution section Exception WHEN exception_name THEN Handle the exception END;		0	1	0	0
Carefully read the question and answer accordingly. What are the true aspects of implicit and explicit cursors?	Implicit cursors are automatically created by oracle when a select query in PLSQL is executed. Explicit cursors is explicitly attached to a select query by programmer.	For INSERT operations, the implicit cursor holds the data that need to be inserted	Whenever a DML statement (INSERT, UPDATE and DELETE) is issued, an implicit cursor is not automatically associated with this statement	The implicit cursor is declared in the declaration section.		0.5	0.5	0	0

Carefully read the question and answer accordingly.
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 Occurred 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
	Exception Occurred Divide by Zero	Result is 10	Result is 0	Compilation fails	Compiles successfully and terminates the program due to an Exception	0	0	0	1	0

Carefully read the question and answer accordingly.
General Syntax for coding exception
DECLARE
Declaration Section
BEGIN
Exception Section
When ex_name 1 THEN
Error handling Statements
When Others THEN
Error handling Statements
When ex_name 1 THEN
Error handling Statements
END;
	TRUE	FALSE				0	1			

Question										
Carefully read the question and answer accordingly. Select the best definition for Why Collection needed in Oracle?	A group of related data items stored in fields , each fields has its own name and datatype.	You can think of a record as a variable that can hold a table row or some colums from a table row.	An software application links up with a Active data objects, there is a not much performance value to be paid. Not only that, programs that continually switch off between code and SQL can become quite complex.	Every time a software application connect up with a database, there is a performance value to be paid. Not only that, programs that continually switch off between code and SQL can become quite complex.		0	0	0	1	
Carefully read the question and answer accordingly. Which of the following statements are true? 1.A collection is an ordered group of elements, all of the same type 2.Each element in collection has a unique subscript that determines its position in the collection. 3.A collection is a ordered group of elements of different types 4.Records are composite types that have internal components that can be manipulated individually 5.Nested Table is also known as associative arrays	1&2	1&2&3	1&3&4	1&2&4	1&3&5	0	0	0	1	0

Question	Option A	Option B	Option C	Option D		Score A	Score B	Score C	Score D	
Carefully read the question and answer accordingly. 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.	Both statements A and B are False.	Statement A Is false and B is True.	Statement A is True and B is False.	Both statements A and B are True.		0	0	0	1	
Carefully read the question and answer accordingly. In which case we will use Custom record?	In a program all the columns of a table needs to be referenced,stored and processed.	When Only few columns of one or more tables needs to be referenced, stored and processed.	Failing to do this will result in an error .	When Programmer needs to define a customized structure for accessing /storing data.		0	0.5	0	0.5	

Carefully read the question and answer accordingly.
Examine the code snippet
declare
TYPE CITY is TABLE of varchar2(20) index by PLS_INTEGER;
v1 CITY;
begin
v1(1):='Bangalore';
v1(6):='Mumbai';
v1(2):='Delhi';
dbms_output.put_line(v1.count());
dbms_output.put_line(v1(2));
dbms_output.put_line(v1.next(6));
end;
what will be the output of the above code?
	Compilation error	Compiles , executes prints 3 Delhi	Compiles , executes prints 3 Delhi 2	Compiles , executes prints 3 Delhi Mumbai	Compiles , executes prints 3 Delhi Delhi	0	1	0	0	0

Question										
Carefully read the question and answer accordingly. Which of the following statements are true? 1.Index by table has key value pair 2.Nested Table has key value pair 3.Index by Table is ordered based on its Key 4.Nested Table id ordered based on its key 5.In a key value pair key is unique	1&2	1&2&3	1&3&4	1&2&4	1&3&5	0	0	0	0	1

Carefully read the question and answer accordingly.
Examine the code snippet
declare
TYPE XYZ is VARRAY(10) of NUMBER;
v2 XYZ; --line 1
x Number:=0;
Begin
v2:=XYZ(1,2,3,4,5,6,7); --line 2
v2.delete(1); --line 3
 while x < v2.last –line 4
loop
x:=x+1;
dbms_output.put_line(x);
end loop;
end;
/
What will be the output of the above code ?
	Compilation fails due to error on line 1	Compilation fails due to error on line 2	Compilation fails due to error on line 3	Compilation fails due to error on line 4	Compiles , executes and prints 1 2 3 4 5 6 7	0	0	0	1	0

Carefully read the question and answer accordingly.
Examine the code snippet
declare
TYPE XYZ is VARRAY(10) of NUMBER;
v2 XYZ; -- line 1
x Number:=0;
Begin
v2:=XYZ(1,2,3,4,5,6,7);
v2.trim(1);--Line 2
while x < v2.last
loop
x:=x+1;
dbms_output.put_line(x);
end loop;
end;
/
What will be the output of the above code?
	Compilation fails due to an error on line 1	Compilation fails due to an error on line 2	Compiles , executes and prints 1 , 2, ,3 ,4, 5, 6, 7	Compiles , executes and prints 1 , 2, ,3 ,4, 5, 6	Compiles , executes and prints 2, ,3 ,4, 5, 6, 7	0	0	0	1	0

Question	Opt A	Opt B	Opt C	Opt D	Opt E	S1	S2	S3	S4	S5

Carefully read the question and answer accordingly.
DECLARE
TYPE StockItem IS RECORD(
   item_no   Item_master.Item_code%TYPE,
   item_name Item_master.Item_name%TYPE,
   quantity Stock.Current_stock%TYPE,
   Unit_price Item_master.unit_price%TYPE);
St_rec StockItem;
Predict what type of record it fall under ?
	Table Record	Cursor Record	Custom Record	Simple Record		0	0	1	0	

Carefully read the question and answer accordingly. Predict which collection has ability to have elements selected Individually in database.	Varray	Nested Table	Associative Array	None of the above		0.5	0.5	0	0	

Carefully read the question and answer accordingly.
Examine the code snippet
declare
TYPE ABC is VARRAY(10) of NUMBER;
v2 ABC;
begin
v2:=ABC();
v2.extend();
v2(1):=78;
Dbms_output.put_line(v2(1));
end;
what will be the output of the above code ?
	Code contains a compilation error	Compiles , executes without any output	If v2:=ABC(); is removed than the code will compile and print 78	Compiles fine and prints the output as 78	Compiles fine and prints the output as 1	0	0	0	1	0

Carefully read the question and answer accordingly.
Examine the code snippet
declare
TYPE ABC is VARRAY(10) of NUMBER;
v2 ABC:=ABC(10,8,9,6,5,4,3,32);
begin
Dbms_output.put_line(v2(1));
end;
what will be the output of the above code ?
	Compilation fails	Compiles and prints 8	Compiles and prints 10	Compiles and prints 1	Compiles and runs without any output	0	0	1	0	0

Question	Option A	Option B	Option C	Option D					
Carefully read the question and answer accordingly. 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 statements A and B are False.	Statement A Is false and B is True.	Statement A is True and B is False.	Both statements A and B are True.		0	0	0	1
Carefully read the question and answer accordingly. Which of the following statements are true Statement A :The body of the FORALL statement must contain a single DML operation. Statement B: The EXECUTE IMMEDIATE statement prepares (parses) and immediately executes a dynamic SQL statement or an anonymous PL/SQL block.	Both statements A and B are False	Both A and B are True	Statement A Is false and B is True	Statement A is True and B is False		0	1	0	0
Carefully read the question and answer accordingly. Predict which collection has ability to preserve element order.	Nested Table	Associative Array	Varray	None of the above		0	0	1	0
Carefully read the question and answer accordingly. IF add_genre_new THEN IF NOT fic_genres.EXISTS(f_genre_id) THEN fic_genres.EXTENDS(1); fic_genres(f_genre_id) := f_genre; DBMS_OUTPUT.PUT_LINE('Total # of entries in fiction_genres is : '||fiction_genres.COUNT(); END IF; Predict the correct steps of the above code ?	1. Add a new genre. 2. Is this genre id already in the collection? 3. Display the total # of elements. 4. **Add** another element to the varray.	1. Add a new genre. 2. Display the total # of elements. 3. **Add** another element to the varray.	1. Add a new genre. 2. Is this genre id already in the collection? 3. **Add** another element to the varray. 4. Display the total # of elements.	1. Add a new genre. 2. Display the total # of elements. 3. **Add** another element to the varray. 4. Is this genre id already in the collection?		0	0	1	0
Carefully read the question and answer accordingly. HTML is used to perform the programming logic. State True or False.	FALSE	TRUE				1	0		

Question	Option A	Option B	Option C	Option D		Ans A	Ans B	Ans C	Ans D	
Carefully read the question and answer accordingly. Which of the following is an empty tag in HTML?	<a>	 	<input>	<h1>		0	1	0	0	
Carefully read the question and answer accordingly. ALT' attribute in <IMG> tag used to represents	Image filename	ID used to identify the image	Alternative text to be displayed if the image is not displayed	None of the listed options		0	0	1	0	
Carefully read the question and answer accordingly. What is the use of attributes in HTML tags?	Which represents the content to be displayed in the page	Provides additional behaviour to the tag	Attribute is a type of tag	None of the listed options		0	1	0	0	
Carefully read the question and answer accordingly. Which tag is used to include multiple HTML pages in single page?	frame	frameset	frames	None of the listed options		0	1	0	0	
Carefully read the question and answer accordingly. How to divide the page into two rows when we are using frameset?	By using cols=50%, 50%	By using rows=50%, 50%	By using colspan	By using rowspan		0	1	0	0	
Carefully read the question and answer accordingly. How to divide the page into two equal halves when we are using frameset ? 1.By using cols=50%,50% 2.By using rows=50%,50% 3.By using colspan 4.by using rowspan	1&2	3&4	2&3	1&4		1	0	0	0	
Carefully read the question and answer accordingly. The below html meta tag will reload page automatically every 60 _____ . <meta http-equiv="refresh" content="60">	seconds	minutes	nanoseconds	milliseconds		1	0	0	0	
Carefully read the question and answer accordingly. Which of the following is not an attribute of meta tag?	content	name	value	http-equiv		0	0	1	0	

Carefully read the question and answer accordingly. Automatic page Refresh can be done by using refresh Meta Tag. State True or False.	TRUE	FALSE				1	0		
Carefully read the question and answer accordingly. Which of the following are the functions of caching? 1.Temporarily storing the web page in the client 2.Reduce the network traffic 3.Decrease the speed of the response 4.Increase the speed of the response	1&2	1&2&3	1&3&4	1&2&4	1&3	0	0	0	1	0
Carefully read the question and answer accordingly. Consider Vijay is developing web page using HTML.Which method he can use for sending data securely on submitting the form? I: POST II: GET	I	II	Both I & II	None of the listed options		1	0	0	0
Carefully read the question and answer accordingly. 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	II	Both I & II	None of the listed options		1	0	0	0
Carefully read the question and answer accordingly. Consider Vijay is developing web page using HTML. He wants user to enter some data which is multiline data. What must be the form element or control to be used by him?	TextBox	TextArea	Text	All of the listed options		0	1	0	0
Carefully read the question and answer accordingly. Which tag creates containers to other HTML tags/elements? I: DIV II: SPAN	I	II	Both I & II	None of the listed options		1	0	0	0

Question										
Carefully read the question and answer accordingly. Which tag is used if we want to apply same styles for a block of elements? I: DIV II: SPAN	I	II	Both I & II	None of the listed options		1	0	0	0	
Carefully read the question and answer accordingly. If we want to apply a style for a text or a part of a text which tag will be used? I: SPAN II: DIV	I	II	Both I & II	None of the listed options		1	0	0	0	
Carefully read the question and answer accordingly. DIV tag creates linebreaks similar to paragraph tags. State True or False.	TRUE	FALSE				1	0			
Carefully read the question and answer accordingly. Which of the following are valid variable declarations in Java Script? 1.var x=3.14 2.var int x=4; 3.var x=4; 4.var country="INDIA"	1&2	1&2&3	1&3&4	1&2&4	1&3	0	0	1	0	0
Carefully read the question and answer accordingly. Which of the following are valid identifiers in Java Script? 1._num 2.num 3.9char 4.$num	1,2&4	3&4	2&3	1&4		1	0	0	0	
Carefully read the question and answer accordingly. Variables in Java Script should be declared with data types. State True or False.	FALSE	TRUE				1	0			

Question	Option A	Option B	Option C	Option D					
Carefully read the question and answer accordingly. Which of the following are used for executing client side script? 1.JavaScript 2.JSP 3.Servlets 4.VBScript	1&2	3&4	2&3	1&4		0	0	0	1
Carefully read the question and answer accordingly. Please select the correct statement with respect to including JavaScript in HTML pages.	JavaScript can be written inside the page body	JavaScript can be written inside the header	Java Script can be written as an external file and imported to the page	All of the listed options		0	0	0	1
Carefully read the question and answer accordingly. In JavaScript, 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 of the listed options		1	0	0	0
Carefully read the question and answer accordingly. In JavaScript, for reading the contents inside the first paragraph tag which statement is used?	document.getElementsByTagName("p").innertext()	document.getElementsByTagName("p")[0].innerText;	document.getElementsByTagName("p[0]").innertext()	None of the listed options		0	1	0	0
Carefully read the question and answer accordingly. 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?	getElementByName()	getElementById()	getElementsByTagName()	None of the listed options		0	0	1	0

Question	Option A	Option B	Option C	Option D						

Carefully read the question and answer accordingly.
What will be the output of the following Java Script code when 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>`
	It will print the message "Displaying message by using javaScript"	It will not print the message	It will display some error message on browser	None of the listed options		0	1	0	0	

Carefully read the question and answer accordingly. What is the correct syntax of the declaration which defines the XML version?	`<xml version="1.0" />`	`<?xml version="1.0"?>`	`<?xml version="1.0" />`	None of the listed options		0	1	0	0	
Carefully read the question and answer accordingly. How to declare element with minimum one occurrence?	`<!ELEMENT element-name(element-content+)>`	`<!ELEMENT element-name(element-content+)!>`	`<!ELEMENT element-name(element-content)!>`	None of the listed options		1	0	0	0	
Carefully read the question and answer accordingly. Which of the following XML statement is valid?	`<message> if price<60</message>`	`<message> if price lt 60 </message>`	`<message> if price < 60</message>`	None of the listed options		0	0	1	0	
Carefully read the question and answer accordingly. What does DTD stands for?	Direct Type Definition	Document Type Definition	Dynamic Type Definition	None of the listed options		0	1	0	0	

Question	Option A	Option B	Option C	Option D					
Carefully read the question and answer accordingly. Which of the following correctly defines use of DTD in XML development?	DTD are used by parsers for validating the structure of the XML	DTD are used as contract between two systems to interoperate.	An Application can use the DTD to validate the XML structure it has received from external systems	All of the listed options		0	0	0	1
Carefully read the question and answer accordingly. Any text that should not be parsed by the xml parser needs to declare as: I: PCDATA II: CDATA	I	II	Both I & II	None of the listed options		0	1	0	0
Carefully read the question and answer accordingly. What does XML stand for?	eXtra Modern Link	eXtensible Markup Language	Example Markup Language	X-Markup Language		0	1	0	0
Carefully read the question and answer accordingly. Which parser is a W3C standard?	SAX	DOM	XHTML	None of the listed options		0	1	0	0
Carefully read the question and answer accordingly. What are the uses of XML parsers? 1.Parsing XML files and retrieving data from XML elements 2.Creating XML files programmatically 3.Used to direct conversion using an XSLT processor	1&2	2	2&3	1		1	0	0	0
Carefully read the question and answer accordingly. Which parser reads small chunk of document at a time,parses it, generate an events and then reads another chunk of document	DOM	SAX	XML	None of the listed options		0	1	0	0
Carefully read the question and answer accordingly. Which defines standard set of objects for creating XML's?	SAX	XMLDOM	XML	None of the listed options		0	1	0	0

Question	A	B	C	D		1	2	3	4	
Carefully read the question and answer accordingly. Which type of parser is suitable,when applications is required to read data without modifying the content	DOM	SAX	XML	None of the listed options		0	1	0	0	
Carefully read the question and answer accordingly. Which statement creates DocumentBuilder instance?	Document Builder b=new Document Builder();	Document Builder b=new Builder();	Document Builder b=factory.new Document Builder();	None of the listed options		0	0	1	0	
Carefully read the question and answer accordingly. What does XSL stands for?	Extensive Style sheet language	Extensible Style Language	Extensible Style Sheet Language	None of the listed options		0	0	1	0	
Carefully read the question and answer accordingly. Which statement creates DocumentBuilderFactory instance?	DocumentBuilderFactory f=new DocumentBuilderFactory();	DocumentBuilderFactory f= BuilderFactory.newInstance();	DocumentBuilderFactory f=DocumentBuilderFactory.newInstance();	None of the listed options		0	0	1	0	
Carefully read the question and answer accordingly. Which language is used for formatting XML documents?	XSL	XSLT	XSL-FO	None of the listed options		0	0	1	0	
Carefully read the question and answer accordingly. Which is used to transform XML document?	Xpath	XSLT	XSL	None of the listed options		0	1	0	0	
Carefully read the question and answer accordingly. What are the two common exceptions in JAXP? 1.ParserConfigurationException 2.FactoryConfigurationException 3.FactoryConfigurationError	1&2	3	1&3	1		0	0	1	0	
Carefully read the question and answer accordingly. JAXP Stands for:	Java API eXtensive processing	Java API eXtensible Processing	Java API for XML Processing	None of the listed options		0	0	1	0	

Question	A	B	C	D					
Carefully read the question and answer accordingly. In which package JAXP related API's are available?	javax.xml.parsers.*;	javax.xml.*;	javax.parsers.xml.*;	None of the listed options		1	0	0	0
Carefully read the question and answer accordingly. Which complex type specifies that the elements should always be in the order specified?	`<xs:complexType name="CountrInfo"><xs:all><xs:element name="countryName" type="xs:string"/><xs:element name="states" type="xs:integer"/></xs:all></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:sequence><xs:element name="countryName" type="xs:string"/><xs:element name="states" type="xs:integer"/></xs:sequence></xs:complexType>`	None of the listed options		0	0	1	0
Carefully read the question and answer accordingly. Which statement specifies a constant value for a simple element?	`<xs:element name="CountryName" type="xs:string" constant="India"/>`	`<xs:element name="CountryName" type="xs:string" fixed="India"/>`	`<xs:element name="CountryName" type="xs:string" fixedvalue="India"/>`	None of the listed options		0	1	0	0

Question	Opt A	Opt B	Opt C	Opt D					
Carefully read the question and answer accordingly. Which complex type signifies that only one of the child elements can appear?	`<xs:complexType name="CountrInfo"><xs:all><xs:element name="countryName" type="xs:string"/><xs:element name="states" type="xs:integer"/></xs:all></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:sequence><xs:element name="countryName" type="xs:string"/><xs:element name="states" type="xs:integer"/></xs:sequence></xs:complexType>`	None of the listed options		0	1	0	0
Carefully read the question and answer accordingly. As per Java coding standard class names should be nouns, in mixed case with the first letter of each internal word capitalized. Try to keep your class names simple and descriptive. State True or False.	TRUE	FALSE				1	0		
Carefully read the question and answer accordingly. Select the right coding best practices followed while using java Collections. 1.Use for loop instead of iterator 2.Use Collections with generic with same type of data. 3.Copy collections into other collections by calling addAll() methods instead using iterator to copy each collection element.	1&2	2&3	1&3	3		0	1	0	0

Carefully read the question and answer accordingly.
Consider the following code snippet:
import org.junit.*;
import static org.junit.Assert.*;
import java.io.*;
public class OutputTest {
private File output;
@Before
public void createOutputFile() {
output = new File(...);
}
@After
public void deleteOutputFile() {
output.delete();
}
@Test
public void testSomethingWithFile() {
...
}
}
Which of the following option gives the order in which the methods in the above given OutputTest class is executed?
	createOutputFile()
	deleteOutputFile()
	testSomethingWithFile()
		createOutputFile()
		testSomethingWithFile()
		deleteOutputFile()
			testSomethingWithFile()
			createOutputFile()
			deleteOutputFile()
				deleteOutputFile()
				createOutputFile()
				testSomethingWithFile()
						0	1	0	0	

Carefully read the question and answer accordingly. Select correct naming convention used during class declaration. 1.Class name should be nouns 2.Should be simple & descriptive 3.Class name starts with lower case. 4.Class name can be java valid keyword.	1&2	3&4	2&3	1&4		1	0	0	0	
Carefully read the question and answer accordingly. Documentation comments are meant to describe the specification of the code to be read by developers. State True or False.	TRUE	FALSE				1	0			

Question	A	B	C	D	E					
Carefully read the question and answer accordingly. Which tool verifies for best practice adherence? 1.PMD 2.Check Style 3.CPD 4.ANT	1&2	1&2&3	1&3&4	1&2&4	1&3	0	1	0	0	0
Carefully read the question and answer accordingly. What are the major areas PMD tool scans java code?	Coding standards	Violation of best practice	Possible performance bottlenecks	All of the listed options		0	0	0	1	
Carefully read the question and answer accordingly. Which of the following is build tool?	ANT	PMD	Checkstyle	CPD		1	0	0	0	
Carefully read the question and answer accordingly. Choose a valid package name in Java? 1.com.sun.eng 2.123pack 3.pack123 4.outerpack_innerpack	1&2	1&2&3	1&3&4	1&2&4	1&3	0	0	1	0	0
Carefully read the question and answer accordingly. Select the advantages of using coding conventions in java application development.	Improves Readability of the software	Improves Easy understanding	Improves Easy Maintenance	All of the listed options		0	0	0	1	

Carefully read the question and answer accordingly.
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:
	Refactor > Change Method Signature	Refactor > move	Refactor > Extract method	Refactor > move Method		1	0	0	0	

Question									
Carefully read the question and answer accordingly. What are the types of refactoring? 1.Physical Structure 2.Logical Structure 3.Method Level 4.Class Level Structure	1&2	3&4	2&3	1&4		0	0	0	1
Carefully read the question and answer accordingly. What are the Tools & plug-ins commonly used in testing java application code? 1.ANT 2.JUnit 3.JavaScript 4.EMMA	1&2	3&4	2&3	2&4		0	0	0	1
Carefully read the question and answer accordingly. What are the benefits of Logging? 1.Debug applications issues easily 2.Detect complier errors easily 3.Trouble Shoot performance problems	1&2	2&3	1&3	3		0	0	1	0
Carefully read the question and answer accordingly. Select the benefits of versioning the software in java application development. 1.Backup and Restore 2.WinZIP 3.Synchronization 4.Branching and merging 5.Formatting	1&2	1&2&3	1&3&4	1&2&4	1&3	0	0	1	0	0
Carefully read the question and answer accordingly. An art of identifying, organizing, controlling and verifying the modification to the software work products built by the developer.	SDLC	SVN	SCM	HCM		0	0	1	0
Carefully read the question and answer accordingly. Which of these is executed first before execution of any other thing takes place in a program?	main method	finalize method	static block code	private method		0	0	1	0

Question	Option 1	Option 2	Option 3	Option 4					
Carefully read the question and answer accordingly. Which of the following statement is incorrect?	By multithreading CPU's idle time is minimized, and we can take maximum use of it.	By multitasking CPU's idle time is minimized, and we can take maximum use of it.	Two thread in Java can have same priority	A thread can exist only in two states, running and blocked.		0	0	0	1
Carefully read the question and answer accordingly. Consider a development scenario 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?	finalization	Serialization	Synchronization	Deserialization		0	1	0	0
Carefully read the question and answer accordingly. 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.	FALSE	TRUE				1	0		
Carefully read the question and answer accordingly. Consider you are developing an application where you have to store and retrieve data in character format in file. Which API you will use to store and retrieve the data in character format?	Reader and Writer Stream APIs	InputStream and OutputStream Stream APIs	Collection APIs	None of the listed options		1	0	0	0
Carefully read the question and answer accordingly. Consider you are developing a JDBC application, where you have to retrieve quarterly report from database by executing database store procedure created by database developer. Which statement API you will use to execute store procedure and retrieve ResultSet information?	Statement	PreparedStatement	CallableStatement	None of the listed options		0	0	1	0

Question									
Carefully read the question and answer accordingly. Which statements are true about comparing two instances of the same class, given that the equals() and hashCode() methods have been properly overridden?	If the equals() method returns true, the hashCode() comparison == might return false	If the equals() method returns false, the hashCode() comparison == might return true	If the hashCode() comparison == returns true, the equals() method must return true	If the hashCode() comparison == returns true, the equals() method might return true		0	0.5	0	0.5
Carefully read the question and answer accordingly. Which of the following is incorrect statement regarding the use of generics and parameterized types in Java?	Generics provide type safety by shifting more type checking responsibilities to the compiler.	Generics and parameterized types eliminate the need for down casts when using Java Collections.	When designing your own collections class (say, a linked list), generics and parameterized types allow you to achieve type safety with just a single class definition as opposed to defining multiple classes.	All of the mentioned		0	0	1	0
Carefully read the question and answer accordingly. Which collection class allows you to grow or shrink its size and provides indexed access to its elements, but whose methods are not synchronized?	java.util.HashSet	java.util.LinkedHashSet	java.util.List	java.util.ArrayList		0	0	0	1

Question											
Carefully read the question and answer accordingly. 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 Thread Synchronization	Using object serialization	Using object deserialization	None of the listed options			1	0	0	0	
Carefully read the question and answer accordingly. Consider you are developing a JDBC application, where you have to retrieve the Employee information from the database table based on Employee id value passed at runtime as parameter. Which best statement API you will use to execute parameterized SQL statement at runtime?	Statement	PreparedStatement	CallableStatement	None of the listed options			0	1	0	0	
Carefully read the question and answer accordingly. You need to store elements in a collection that guarantees that no duplicates are stored and all elements can be accessed in natural order. Which interface provides that capability?	java.util.Map	java.util.Set	java.util.List	java.util.Collection			0	1	0	0	

Question	Option A	Option B	Option C	Option D		A	B	C	D	
Carefully read the question and answer accordingly. 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. How do you implement given requirement using java considering best performance of the application?	Implement using Arrays	Implement using Collection API's.	Implement using file API's	None of the listed options		0	1	0	0	
Carefully read the question and answer accordingly. 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?	ResultSet	ResultSetMetaData	DataSource	Statement		0	1	0	0	
Carefully read the question and answer accordingly. Consider the development scenario 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 inheritance by extending the employee class but not by creating the instance of Employee object directly. Please suggest the solution to implement given requirement?	Mark Employee class with abstract keyword	Mark Employee class with final keyword	Make Employee class methods private	Make Employee class methods public		1	0	0	0	

Question	Option A	Option B	Option C	Option D	Option E					
Carefully read the question and answer accordingly. 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 scenario?	Declare the ProgrammerAnalyst class has abstract	Declare the ProgrammerAnalyst class has private	Declare the ProgrammerAnalyst class has final	None of the listed options		0	0	1	0	
Carefully read the question and answer accordingly. What will happen if two thread of same priority are called to be processed simultaneously?	Any one will be executed first lexographically	Both of them will be executed simultaneously	None of them will be executed	It is dependent on the operating system.		0	0	0	1	
Carefully read the question and answer accordingly. In Thread implementation methods like wait(), notify(), notifyAll() should be used in synchronized context . State true or false	TRUE	FALSE				1	0			
Carefully read the question and answer accordingly. Which class does not override the equals() and hashCode() methods, inheriting them directly from class Object?	java.lang.String	java.lang.Double	java.lang.StringBuffer	java.lang.Character		0	0	1	0	
Carefully read the question and answer accordingly. Interfaces are mainly used to expose behavior or functionality not the implementation code. State true or false	TRUE	FALSE				1	0			
Carefully read the question and answer accordingly. Select the advantages of using Collection API's in java application development.	Reduces programming effort	Allows interoperability among unrelated APIs	Reduces effort to learn and to use new APIs	Fosters software reuse	All of the listed options	0	0	0	0	1

Question	A	B	C	D		1	0	0	0	
Carefully read the question and answer accordingly. Which of the following provides an efficient means of storing key/value pairs in sorted order, and allows rapid retrieval?	TreeMap	HashMap	LinkedHashMap	Non of the listed options		1	0	0	0	
Carefully read the question and answer accordingly. Consider you are trying to persist or store object of Customer class using ObjectOutputStream class in java. When you are trying to persist customer object data java code is throwing runtime exception without persisting object information. Please suggest what is the key important factor you have consider in code in order to persist customer object data.	Check whether you have implemented Customer class with Serializable interface	Check whether you have implemented Customer class with Externalizable interface	Check whether you have marked Customer class methods with synchronized keyword	None of the listed options		1	0	0	0	

Carefully read the question and answer accordingly.
The below procedure raises exception using RAISE_APPLICATION_ERROR when we try to delete a department that is not available in the below table else to diplay a message that the department is \<available> Deleted.
TABLE DATA : tbl_departments
DEPARTMENTID   DESCRIPTION
    20   Science
    30   Economics
    40   Statistics
    50   History
CODE:
CREATE OR REPLACE PROCEDURE Available_Dept(P_DeptId tbl_departments.departmentid%TYPE) IS
BEGIN
DELETE FROM tbl_departments WHERE departmentid = P_DeptId;
IF SQL%NOTFOUND THEN
RAISE_APPLICATION_ERROR (-20201, P_DeptId || ' does not exist');
ELSE
DBMS_OUTPUT.PUT_LINE('Department details are \<Available>Deleted');
END IF;
END Available_Dept;
	TRUE	FALSE				1	0			

Question	A	B	C	D						
Carefully read the question and answer accordingly. Which code assign null to all the fields in the record emp_info?	DECLARE TYPE EmpRec IS RECORD (emp_id emp.empno%TYPE, job_title VARCHAR2(9), salary NUMBER(7,2)); emp_info EmpRec; BEGIN emp_info.emp_id := 7788; emp_info.job_title := 'ANALYST'; emp_info.salary := 3500; END;	DECLARE TYPE EmpRec IS RECORD (emp_id emp.empno%TYPE, job_title VARCHAR2(9), salary NUMBER(7,2)); emp_info EmpRec; BEGIN emp_info.emp_id := 7788; emp_info.job_title := 'ANALYST'; emp_info.salary := 3500; emp_info := emp_null; END;	DECLARE TYPE EmpRec IS RECORD (emp_id emp.empno%TYPE, job_title VARCHAR2(9), salary NUMBER(7,2)); emp_info EmpRec; emp_null EmpRec; BEGIN emp_info.emp_id := 7788; emp_info.job_title := 'ANALYST'; emp_info.salary := 3500; emp_info := emp_null; END;	None of the above		0	0	1	0	
Carefully read the question and answer accordingly. Join queries are better in performance than Subqueries. State true or false.	TRUE	FALSE				1	0			

Question	A	B	C	D						
Carefully read the question and answer accordingly. Which of the trigger is used to log all errors and also to do some special processing when the log error is 1017?	CREATE TRIGGER log_errors BEGIN IF (IS_SERVERERROR (1017)) THEN <special processing of logon error> ELSE <log error number> END IF; END;	CREATE TRIGGER log_errors AFTER SERVERERROR ON DATABASE BEGIN IF (IS_SERVERERROR (1017)) THEN <special processing of logon error> ELSE <log error number> END IF; END;	CREATE TRIGGER AFTER SERVERERROR ON DATABASE BEGIN IF (IS_SERVERERROR (1017)) THEN <special processing of logon error> ELSE <log error number> END IF; END;	None of the above		0	1	0	0	
Carefully read the question and answer accordingly. 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 you will implement in such scenario?	Use Views	Use Cursors	Use database Indexes	Use database Trigger		0	1	0	0	

Carefully read the question and answer accordingly. Consider you are maintaining ABC company database. ABC company database 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 scenarios in order to increase database query performance?	Create Function	Create Stored Procedure	Create index	Create Trigger		0	0	1	0	

Question	Option A	Option B	Option C	Option D						
Carefully read the question and answer accordingly. Which is the valid Package specification for the below requirements. 1) A procedure to update each professors salary 2) A function to return the professor details who receive less salary compared to others. 3) A REF CURSOR to be declared 4) A employee record with employeeid , employee name , salary. 5) A constant with datatype NUMBER with value 4	CREATE OR REPLACE PACKAGE employee_package AS TYPE emp_rec IS RECORD (employeeid NUMBER, firstname VARCHAR2(10), lastname VARCHAR2(10), salary NUMBER); minimum_count CONSTANT NUMBER := 4; FUNCTION get_employee RETURN emp_rec; PROCEDURE update_salary (employeeid IN NUMBER); END	CREATE OR REPLACE PACKAGE employee_package AS TYPE t_ref_cursor IS REF CURSOR; TYPE emp_rec IS RECORD (employeeid NUMBER, firstname VARCHAR2(10), lastname VARCHAR2(10), salary NUMBER); minimum_count CONSTANT NUMBER := 4; FUNCTION get_employee RETURN emp_rec; PROCEDURE update_salary (employeeid IN NUMBER); END employee_package;	CREATE OR REPLACE PACKAGE employee_package AS TYPE t_ref_cursor IS REF CURSOR; TYPE emp_rec IS RECORD (employeeid NUMBER, firstname VARCHAR2, lastname VARCHAR2, salary NUMBER); minimum_count CONSTANT NUMBER := 4; FUNCTION get_employee RETURN emp_rec; PROCEDURE update_salary (employeeid IN NUMBER); END employee_package;	None of the listed options		0	1	0	0	

	employee _package;									

Question										
Carefully read the question and answer accordingly. Which of the following is the benefits using triggers in database management system?	Faster application development. Because the database stores triggers, you do not have to code the trigger actions into each database application.	Global enforcement of business rules. Define a trigger once and then reuse it for any application that uses the database.	Easier maintenance. If a business policy changes, you need to change only the corresponding trigger program instead of each application program.	Improve performance in client/server environment. All rules run in the server before the result returns.	All of the listed options	0	0	0	0	1

Carefully read the question and answer accordingly.
What is the collection exception raised for the below code?
DECLARE
  TYPE NumList IS TABLE OF NUMBER;
  nums NumList;
BEGIN
nums(1) := 1;
END;
	SUBSCRIPT_BEYOND_COUNT	COLLECTION_IS_NULL	NO_DATA_FOUND	VALUE_ERROR		0	1	0	0	

Carefully read the question and answer accordingly. Can the function get_employees be called in an SQL statement as below , SELECT departmentid, description , get_employees(maxsalary) "Employeeid" FROM tbl_departments WHERE maxsalary = 3000	TRUE	FALSE				1	0			

Question	Option A	Option B	Option C	Option D						

Carefully read the question and answer accordingly.
What error the following code will display?
DECLARE
  dynamic_stmt VARCHAR2(200);
  dummy   BOOLEAN;
  FUNCTION get_x (x INTEGER)
    RETURN BOOLEAN
  AS
  BEGIN
    NULL;
  END get_x;
BEGIN
  dynamic_stmt := 'BEGIN :b := get_x(5); END;';
  EXECUTE IMMEDIATE dynamic_stmt USING OUT dummy;
END;
	"Cannot string in current PLSQL session"	"String is not active"	"Expressions have to be of SQL types"	None of the listed options			0	0	1	0

Carefully read the question and answer accordingly. Examine the description of the employees table: EMP_ID NUMBER (4) NOT NULL LAST_NAME VARCHAR2 (30) NOT NULL FIRST_NAME VARCHAR2 (30) DEPT_ID NUMBER (2) JOB_CAT VARCHAR (30) SALARY NUMBER (8, 2) Which of the following SQL statements shows the department ID, minimum salary, and maximum salary paid in that department, only if the minimum salary is less than 2000 and maximum salary is more than 5000?	SELECT dept_id, MIN (salary), MAX (salary) FROM employees WHERE MIN(salary) < 2000 AND MAX (salary) > 5000	SELECT dept_id, MIN (salary), MAX (salary) FROM employees WHERE MIN (salary) < 2000 AND MAX (salary) > 5000 GROUP BY dept_id	SELECT dept_id, MIN(salary), MAX(salary) FROM employees HAVING MIN (salary) < 2000 AND MAX (salary) > 5000	SELECT dept_id, MIN (salary), MAX (salary) FROM employees GROUP BY dept_id HAVING MIN(salary) < 2000 AND MAX (salary) > 5000			0	0	0	1

Question										

Carefully read the question and answer accordingly.
In the Student Management system we have a table called STUDENTS, COURSES, ENROLLMENTS with below data
TABLE DATA - STUDENTS:
STUDENTID   FIRSTNAME   LASTNAME
10001   Francis   Peter
10002   Venkat   Prasad
TABLE DATA - COURSES:
COURSEID   DEPARTMENTID   COURSENAME
1112   20   Science
1113   30   Economics
The below procedure is used to identify the coursenames in the department 20.
CREATE OR REPLACE PROCEDURE proc_coursename(p_deptid IN courses.departmentid%TYPE)
AS
v_coursename VARCHAR2(10);
CURSOR c_coursename IS
SELECT coursename
FROM courses
WHERE departmentid = p_deptid;
BEGIN
FOR v_rec_coursename IN c_coursename LOOP
DBMS_OUTPUT.PUT_LINE('The course in Department ID:'||' '||p_deptid||' '||'is'||' '||v_rec_coursename.coursename);
END LOOP;
END proc_coursename;
	TRUE	FALSE				1	0			

Carefully read the question and answer accordingly. 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.	Triggers	Stored Procedure	Functions	Cursors	None of the listed options	1	0	0	0	0

Question	Option 1	Option 2	Option 3	Option 4						

Carefully read the question and answer accordingly.
Which error will be raised for the below code?
DECLARE
  TYPE tb_numbers_nt IS TABLE OF NUMBER;
  l_numbers tb_numbers_nt;
  BEGIN
   l_numbers.EXTEND;
   l_numbers(1) := 1;
  END;
	No error	"Value not initialized"	"Reference to uninitialized collection"	None of the listed options			0	0	1	0

Carefully read the question and answer accordingly. In the Student Management system we have a table called STUDENTS, COURSES, ENROLLMENTS with below data TABLE DATA - STUDENTS: STUDENTID FIRSTNAME LASTNAME 10001 Francis Peter 10002 Venkat Prasad TABLE DATA - COURSES: COURSEID DEPARTMENTID COURSENAME 1112 20 Science 1113 30 Economics TABLE DATA - ENROLLMENTS: COURSEID SECTION STUDENTID 1112 A 10001 1113 B 10002 Which PLSQL procedure is used to display the student details along with the course names they have enrolled. NOTE : STUDENTID should be passed as parameter. SAMPLE OUTPUT : Student with ID:10001 Major subject is Science.	CREATE OR REPLACE PROCEDURE get_Coursename(p_studentid IN TBL_students.studentid%TYPE) AS v_studentid NUMBER; v_coursename VARCHAR2(10); CURSOR c_course_name IS SELECT co.coursename FROM TBL_students s, courses co , enrollments e	CREATE OR REPLACE PROCEDURE get_Coursename(p_studentid IN TBL_students.studentid%TYPE) AS v_studentid NUMBER; v_coursename VARCHAR2(10); CURSOR c_course_name IS SELECT co.coursename FROM TBL_students s, courses co , enrollments e WHERE s.studentid = p_studentid	CREATE OR REPLACE PROCEDURE get_Coursename(p_studentid IN TBL_students.studentid%TYPE) AS v_coursename VARCHAR2(10); CURSOR c_course_name IS SELECT co.coursename FROM TBL_students s, courses co , enrollments e WHERE s.studentid = p_studentid AND s.studentid	None of the listed options			1	0	0	0

| | WHERE s.studentid = p_studentid AND s.studentid = e.studentid AND e.courseid = co.courseid; BEGIN FOR v_rec_coursename IN c_course_name LOOP v_studentid := p_studentid; DBMS_OUTPUT.PUT_LINE('Student With ID:'\|\|' '\|\|v_studentid\|\|' '\|\|'Major Subject is'\|\|' '\|\|v_rec_coursename.coursename); END LOOP; END get_Coursename; | AND s.studentid = e.studentid AND e.courseid = co.courseid; BEGIN FOR v_rec_coursename IN c_course_name LOOP DBMS_OUTPUT.PUT_LINE('Student With ID:'\|\|' '\|\|v_studentid\|\|' '\|\|'Major Subject is'\|\|' '\|\|v_rec_coursename.coursename); END LOOP; END get_Coursename; | = e.studentid AND e.courseid = co.courseid; BEGIN FOR v_rec_coursename IN c_course_name LOOP v_studentid := p_studentid; DBMS_OUTPUT.PUT_LINE('Student With ID:'\|\|' '\|\|v_studentid\|\|' '\|\|'Major Subject is'\|\|' '\|\|v_rec_coursename.coursename); END LOOP; END get_Coursename; | | | | | | | |

	Create Views	Use Cursors	Use database functions	Use database Trigger					
Carefully read the question and answer accordingly. 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 scenario to meet requirement?	Create Views	Use Cursors	Use database functions	Use database Trigger		1	0	0	0	
Carefully read the question and answer accordingly. Which of the following SQL statements defines a FOREIGN KEY constraint on the deptno column of the EMP table?	CREATE TABLE EMP (empno NUMBER (4), ename VARCHAR2 (35), deptno NUMBER(7,2) NOT NULL,CONSTRAINT emp_deptno_fk FOREIGN KEY deptno REFERENCES dept deptno)	CREATE TABLE EMP (empno NUMBER (4), ename VARCHAR2 (35), deptno NUMBER (7,2) CONSTRAINT emp_deptno_fk REFERENCES dept (deptno))	CREATE TABLE EMP (empno NUMBER(4), ename VARCHAR2(35), deptno NUMBER(7,2) NOT NULL, CONSTRAINT emp_deptno_fk FOREIGN KEY(deptno) REFERENCES dept(deptno))	CREATE TABLE EMP (empno NUMBER(4), ename VARCHAR2(35), deptno NUMBER(7,2) FOREIGN KEY CONSTRAINT emp deptno fk REFERENCES dept(deptno))		0	0	1	0	

Question	Option A	Option B	Option C	Option D						
Carefully read the question and answer accordingly. Which procedure raises an exception 'NO DATA FOUND' when the student searches for the course which is not available else to display a message that the course is available.	CREATE OR REPLACE PROCEDURE Available_major(p_course courses.coursename%TYPE) IS v_courseid NUMBER; v_coursename VARCHAR2(20); v_deptid NUMBER; BEGIN SELECT courseid ,departmentid, coursename INTO v_courseid,v_deptid ,v_coursename FROM courses WHERE coursename like p_course||'%'; DBMS_OUTPUT.PUT_LINE(' Course Available with	CREATE OR REPLACE PROCEDURE Available_major(p_course courses.coursename%TYPE) IS v_courseid NUMBER; v_coursename VARCHAR2(20); v_deptid NUMBER; BEGIN SELECT courseid ,departmentid, coursename INTO v_courseid, v_deptid,v_coursename FROM courses WHERE coursename like 'p_course%'; DBMS_OUTPUT.PUT_LINE('Course Available with department ID:'||' '||v_deptid);	CREATE OR REPLACE PROCEDURE Available_major(p_course courses.coursename%TYPE) IS v_courseid NUMBER; v_coursename VARCHAR2(20); v_deptid NUMBER; BEGIN SELECT courseid ,departmentid, coursename INTO v_courseid, v_deptid,v_coursename FROM courses WHERE coursename like p_course||'%'; DBMS_OUTPUT.PUT_LINE('Course Available with department ID:'||' '||v_deptid);	None of the listed options		1	0	0	0	

		department ID:'||' '||v_deptid); EXCEPTION WHEN NO_DATA_FOUND THEN DBMS_OUTPUT.PUT_LINE('No Course Available'); END Available_major;	EXCEPTION WHEN NO_DATA_FOUND THEN DBMS_OUTPUT.PUT_LINE('No Course Available'); END Available_major;	EXCEPTION WHEN TOO_MANY_ROWS THEN DBMS_OUTPUT.PUT_LINE('No Course Available'); END Available_major;						

Carefully read the question and answer accordingly.
Which procedure gets the student id and the course name for the given grade.
TABLE DATA - COURSES:

```
COURSEID     DEPARTMENTID     COURSENAME
1112         20               Science
1113         30               Economics
```

TABLE DATA - TBL_GRADE:

```
STUDENTID  COURSEID     YEAR     SEMESTER         GRADE
10001      1112         2014     'Second Semester'    1
10002      1113         2015     'First Semester'     2
```

SAMPLE OUTPUT : Student ID: 10001 grade is 1

Option 1	Option 2	Option 3	Option 4					
CREATE OR REPLACE PROCEDURE proc_get_details(p_grade IN TBL_GRADE.grade%TYPE) AS v_studentid NUMBER; v_coursename VARCHAR2(10); v_grade NUMBER; CURSOR c_grade IS SELECT g.studentid, co.coursename FROM TBL_GRADE g, COURSES co WHERE g.courseid = co.courseid AND g.grade = p_grade; BEGIN OPEN c_grade; LOOP	CREATE OR REPLACE PROCEDURE proc_get_details(p_grade IN TBL_GRADE.grade%TYPE) AS v_studentid NUMBER; v_coursename VARCHAR2(10); v_grade NUMBER; CURSOR c_grade IS SELECT g.studentid, co.coursename FROM TBL_GRADE g, COURSES co WHERE g.courseid = co.courseid AND g.grade = p_grade; BEGIN OPEN c_grade; LOOP FETCH c_grade INTO v_studentid, v_coursena	CREATE OR REPLACE PROCEDURE proc_get_details(p_grade IN TBL_GRADE.grade%TYPE) AS v_studentid NUMBER; v_coursename VARCHAR2(10); v_grade NUMBER; CURSOR c_grade IS SELECT g.studentid, co.coursename FROM TBL_GRADE g, COURSES co WHERE g.courseid = co.courseid AND g.grade = p_grade; BEGIN OPEN c_grade; LOOP FETCH c_grade INTO v_studentid, v_coursena	None of the listed options	0	0	1	0

	FETCH c_grade INTO v_studentid , v_coursename; DBMS_OUTPUT.PUT_LINE('Student ID:'||' '||v_studentid||' '||'grade is'||' '||v_grade); END LOOP; CLOSE c_grade; END proc_get_details;	me; EXIT WHEN c_grade%NOTFOUND; v_grade := p_grade; END LOOP; CLOSE c_grade; END proc_get_details;	me; EXIT WHEN c_grade%NOTFOUND; v_grade := p_grade; DBMS_OUTPUT.PUT_LINE('Student ID:'||' '||v_studentid||' '||'grade is'||' '||v_grade); END LOOP; CLOSE c_grade; END proc_get_details;							

Question	Option A	Option B	Option C	Option D		A	B	C	D	
Carefully read the question and answer accordingly. How do we compare records? (old_company_rec, new_company_rec are 2 records with name , incorp_date, address1 as fields)	IF old_company_rec IS NULL THEN ------.. END IF;	IF old_company_rec > new_company_rec) THEN ------- END IF;	IF old_company_rec.name = new_company_rec.name AND old_company_rec.incorp_date = new_company_rec.incorp_date AND old_company_rec.address1 = new_company_rec.address1 AND THEN ... the two records are identical ... END IF;	Records cannot be compared with each other.		0	0	1	0	

Carefully read the question and answer accordingly.
What exception the below code will raise?
DECLARE
  TYPE tab_numbers IS TABLE OF NUMBER
    INDEX BY PLS_INTEGER;
  l_numbers tab_numbers;
BEGIN
  DBMS_OUTPUT.PUT_LINE (l_numbers (100));
END;
	TOO_MANY_ROWS	NO_DATA_FOUND	SUBSCRIPT_BEYOND_COUNT	None of the listed options		0	1	0	0	

Carefully read the question and answer accordingly. Which trigger is used to display the salary change information whenever a DELETE , INSERT or UPDATE statement affects the tbl_employees table(Salary Column)- The trigger should be FOR EACH ROW trigger. SAMPLE OUTPUT : Fahan,Karn: Old salary = 3500, New salary = 4500, Difference: 1000	CREATE OR REPLACE TRIGGER salary_changes BEFORE DELETE OR INSERT OR UPDATE ON TBL_EMPLOYEES FOR EACH ROW DECLARE sal_diff NUMBER; BEGIN sal_diff := :NEW.salary - :OLD.salary; DBMS_OUTPUT.PUT(:OLD.firstname||','||:OLD.lastname|| ': '); DBMS_OUTPUT.PUT('Old salary = ' || :OLD.salary || ', '); DBMS_OUTPUT.PUT('New salary = '	CREATE OR REPLACE TRIGGER salary_changes BEFORE DELETE OR INSERT OR UPDATE ON TBL_EMPLOYEES FOR EACH ROW DECLARE sal_diff NUMBER; BEGIN DBMS_OUTPUT.PUT(:OLD.firstname||','||:OLD.lastname|| ': '); DBMS_OUTPUT.PUT('Old salary = ' || :OLD.salary || ', '); DBMS_OUTPUT.PUT('New salary = ' || :NEW.salary || ', '); DBMS_OUTPUT.PUT_LINE('Difference: ' || sal_diff); END;	CREATE OR REPLACE TRIGGER salary_changes BEFORE DELETE OR INSERT OR UPDATE ON TBL_EMPLOYEES DECLARE sal_diff NUMBER; BEGIN sal_diff := :NEW.salary - :OLD.salary; DBMS_OUTPUT.PUT(:OLD.firstname||','||:OLD.lastname|| ': '); DBMS_OUTPUT.PUT('Old salary = ' || :OLD.salary || ', '); DBMS_OUTPUT.PUT('New salary = ' || :NEW.salary || ', '); DBMS_OUTPUT.PUT_LINE('Diff			1		0		0		

	|| :NEW.salary || ', '); DBMS_OUTPUT.PUT_LINE(' Difference : ' || sal_diff); END;		erence: ' || sal_diff); END;							
Carefully read the question and answer accordingly. Select the key advantages of using Store procedures in database management system.	Execution plan retention and reuse	Application modularization	Network bandwidth conservation	Improved security	All of the listed options	0	0	0	0	1

	Option 1	Option 2	Option 3	Option 4							
Carefully read the question and answer accordingly. In the Student Management system we have a table called STUDENTS with attributes STUDENID ,FIRSTNAME , LASTNAME. TABLE DATA: STUDENTID FIRSTNAME LASTNAME 10001 Francis Peter 10002 Venkat Prasad Which PLSQL block in the options concatenates both the Firstname and Lastname with ',' symbol. NOTE : STUDENTID should be passed as parameter. SAMPLE OUTOUT : Francis,Peter	CREATE OR REPLACE PROCEDURE get_studentname(p_studentid IN TBL_students.studentid%TYPE) AS v_firstname VARCHAR2(10); v_lastname VARCHAR2(10); CURSOR c_student_name IS SELECT firstname, lastname FROM TBL_students WHERE studentid = p_studentid; BEGIN OPEN c_student_name; LOOP FETCH c_student_name INTO v_firstname,v_lastna	CREATE OR REPLACE PROCEDURE get_studentname(p_studentid IN TBL_students.studentid%TYPE) AS v_firstname VARCHAR2(10); v_lastname VARCHAR2(10); CURSOR c_student_name IS SELECT firstname, lastname FROM TBL_students WHERE studentid = p_studentid; BEGIN OPEN c_student_name; LOOP FETCH c_student_name INTO v_firstname,v_lastname; EXIT WHEN c_student_name%NOTFOUND;	CREATE OR REPLACE PROCEDURE get_studentname(p_studentid IN TBL_students.studentid%TYPE) AS v_firstname VARCHAR2(10); v_lastname VARCHAR2(10); CURSOR c_student_name IS SELECT firstname, lastname FROM TBL_students WHERE studentid = p_studentid; BEGIN OPEN c_student_name; LOOP FETCH c_student_name INTO v_firstname; EXIT WHEN c_student_name%NOTFOUND; DBMS_OU	None of the listed options		0	1	0	0	

	me; EXIT WHEN c_student _name%NOTFOUND; DBMS_OUTPUT.PUT_LINE(v_firstname','v_lastname); END LOOP; CLOSE c_student_name; END;	DBMS_OUTPUT.PUT_LINE(v_firstname||','|| v_lastname); END LOOP; CLOSE c_student_name; END;	TPUT.PUT_LINE(v_firstname||','|| v_lastname); END LOOP; CLOSE c_student_name; END;							
Carefully read the question and answer accordingly. Which of the following SQL statements will calculate and return the absolute value of -80?	SELECT ABS(-80) "Absolute" FROM DUAL	SELECT ABS(-80), Absolute FROM DUAL	SELECT ABS("-80") Absolute FROM DUAL	SELECT ABS('-80') Absolute FROM DUAL		1	0	0	0	

	Implement using Cursors	Implement using Stored Procedures	Implement using functions	Implement using triggers					
Carefully read the question and answer accordingly. 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 Cursors	Implement using Stored Procedures	Implement using functions	Implement using triggers		0	0	0	1	
Carefully read the question and answer accordingly. We have customer table with the following values ID NAME AGE ADDRESS SALARY 1 Ramesh 26 Delhi 25000 2 Khilan 22 Chennai 30000 What will be the code to execute all the 3 records from the customer and to print the name and address in a single line. For example : Ramesh Delhi	DECLARE c_id customers.id%type; c_name customers.name%type; c_addr customers.address%type; BEGIN CURSOR c_customers is SELECT id, name, address FROM customers; OPEN c_customers; LOOP FETCH c_customers into c_id, c_name, c_addr; dbms_output.put_line(c_id || ' ' || c_name	DECLARE c_id customers.id%type; c_name customers.name%type; c_addr customers.address%type; CURSOR c_customers is SELECT id, name, address FROM customers; BEGIN OPEN c_customers; LOOP FETCH c_customers into c_id, c_name, c_addr; dbms_output.put_line(c_id || ' ' || c_name || ' ' || c_addr);	DECLARE c_id customers.id%type; c_name customers.name%type; c_addr customers.address%type; CURSOR c_customers is SELECT id, name, address FROM customers; BEGIN OPEN c_customers; LOOP FETCH c_customers into c_id, c_name, c_addr; dbms_output.put_line(c_id || ' ' || c_name || ' ' || c_addr);	DECLARE c_id customers.id%type; c_name customers.name%type; c_addr customers.address%type; CURSOR c_customers is SELECT id, name, address FROM customers; BEGIN LOOP FETCH c_customers into c_id, c_name, c_addr; dbms_output.put_line(c_id || ' ' || c_name || ' ' || c_addr);		0	1	0	0	

	`|| ' ' || c_addr); EXIT WHEN c_custom ers%notfo und; END LOOP; CLOSE c_custom ers; END; /`	`EXIT WHEN c_customer s%notfoun d; END LOOP; CLOSE c_customer s; END; /`	`END LOOP; CLOSE c_customer s; END; /`	`EXIT WHEN c_custom ers%notfo und; END LOOP; CLOSE c_custom ers; END; /`						

Question	Option A	Option B	Option C	Option D					
Carefully read the question and answer accordingly. Consider the following SQL statements: CREATE Table dept (deptno number (2), deptname varchar (20), loc varchar (20)); ROLLBACK DESCRIBE dept Which of the following statement is true about the above?	The Describe statement displays the structure of the Department table.	The Rollback statement frees the storage space occupied by the Dept table.	The Describe Dept statement returns an error ORA-04043: object Dept does not exist.	The DESCRIBE Dept statement displays the structure of the Dept table only if there is a COMMITs tatement introduced before the ROLLBACK statement.		1	0	0	0

Question	Option A	Option B	Option C	Option D						
Carefully read the question and answer accordingly. Which is the valid code to declare the nested records	DECLARE TYPE TimeTyprec IS RECORD (minutes DATE, hours DATE); TYPE Meetingmode IS RECORD (day DATE, time_of TimeTyprec, dept TBL_departments%ROWTYPE, place VARCHAR2(20), purpose VARCHAR2(50)); TYPE ToMeet IS RECORD (day DATE, time_of DATE, dept TBL_departments%ROWTYPE, place VARCHAR2(20), purpose VARCHAR2(50)); meeting	DECLARE TYPE TimeTyprec IS RECORD (minutes DATE, hours DATE); TYPE Meetingmode IS RECORD (day DATE, time_of TimeTyprec, dept TBL_departments%ROWTYPE, place VARCHAR2(20), purpose VARCHAR2(50)); meeting Meetingmode; seminar Meetingmode; BEGIN seminar.time_of := meeting.time_of; END;	DECLARE TYPE TimeTyprec IS RECORD (minutes DATE, hours DATE); TYPE Meetingmode IS RECORD (day DATE, time_of TimeTyprec, dept TBL_departments%ROWTYPE, place VARCHAR2(20), purpose VARCHAR2(50)); TYPE ToMeet IS RECORD (day DATE, time_of TimeTyprec, dept TBL_departments%ROWTYPE, time SMALLINT); meeting Meetingmode; seminar ToMeet; BEGIN seminar.tim	DECLARE TYPE TimeTyprec IS RECORD (minutes DATE, hours DATE); TYPE Meetingmode IS RECORD (day DATE, time_of TimeTyprec, dept TBL_departments%ROWTYPE, place VARCHAR2(20), purpose VARCHAR2(50)); TYPE ToMeet IS RECORD (day DATE, time_of DATE, dept TBL_departments%ROWTYPE, place VARCHAR2(20), purpose VARCHAR2(50)); meeting			0	0.5	0.5	0	

	Meetingmode; seminar ToMeet; BEGIN seminar.time_of := meeting.time_of; END;		e_of := meeting.time_of; END;	Meetingmode; seminar ToMeet; BEGIN seminar.time_of := meeting.time_of; END;						
Carefully read the question and answer accordingly. 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?	Use Aggregate function along with GROUP BY clause in query to retrieve result	Use Aggregate function along with WHERE clause in query to retrieve result	Use Aggregate function along with ORDER BY clause in query to retrieve result	None of the listed options			1	0	0	0

	Option A	Option B	Option C	Option D					
Carefully read the question and answer accordingly. Which anonymous block to select first 3 highest paid salary and to insert into a temp table without any duplicate entry. TABLE DATA : TBL_EMPLOYEES EmployeeID Salary DepartmentID 258963 3000 20 257896 6000 30 457892 3000 40 564232 3000 40 254589 8000 50 784555 5000 20	DECLARE CURSOR c1 is SELECT employeeid, firstname||',' ||lastname "Name" , salary FROM tbl_employees ORDER BY salary DESC; v_employeeid NUMBER; v_name VARCHAR2(30); v_salary NUMBER; BEGIN OPEN c1; FOR i IN 1..3 LOOP FETCH c1 INTO v_employeeid, v_name, v_salary; INSERT INTO temp VALUES (v_employeeid, v_name, v_salary); EXIT WHEN c1%NOTF	DECLARE CURSOR c1 is SELECT employeeid, firstname||', '||lastname "Name" , salary FROM tbl_employees ORDER BY salary DESC; v_employeeid NUMBER; v_name VARCHAR2(30); v_salary NUMBER; BEGIN OPEN c1; FOR i IN 1..4 LOOP FETCH c1 INTO v_employeeid, v_name, v_salary; INSERT INTO temp VALUES (v_employeeid, v_name, v_salary); EXIT WHEN c1%NOTF OUND;	DECLARE CURSOR c1 is SELECT employeeid, firstname||', '||lastname "Name" , salary FROM tbl_employees ORDER BY salary DESC; v_employeeid NUMBER; v_name VARCHAR2(30); v_salary NUMBER; BEGIN OPEN c1; FETCH c1 INTO v_employeeid, v_name, v_salary; INSERT INTO temp VALUES (v_employeeid, v_name, v_salary); EXIT WHEN c1%NOTF OUND; COMMIT; END	None of the listed options	1	0	0	0

		OUND; COMMIT; END LOOP; CLOSE c1; END;	COMMIT; END LOOP; CLOSE c1; END;	LOOP; CLOSE c1; END;							

Question	Option A	Option B	Option C	Option D		Col1	Col2	Col3	Col4	
Carefully read the question and answer accordingly. Consider you are maintaining XYZ company database. XYZ database tables are accessed by several users 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 scenarios in order to increase performance?	Create View	Create Stored Procedure	Create index	Create Trigger		0	1	0	0	
Carefully read the question and answer accordingly. The below trigger is a Statement Level Trigger? State True or False? CREATE or REPLACE TRIGGER After_Update_product AFTER insert On product FOR EACH ROW BEGIN INSERT INTO product_check Values('After update, Row level',sysdate); END;	TRUE	FALSE				0	1			
Carefully read the question and answer accordingly. Does the below code assign NULL to a nested table? DECLARE TYPE Clientele IS TABLE OF VARCHAR2(64); group1 Clientele := Clientele('Customer 1','Customer 2'); group2 Clientele; BEGIN group1 := group2; END;	TRUE	FALSE				1	0			

Carefully read the question and answer accordingly.
Does the below code compares 2 collections?
DECLARE
  TYPE Clientele IS TABLE OF VARCHAR2(64);
  group1 Clientele := Clientele('Customer 1', 'Customer 2');
  group2 Clientele := Clientele('Customer 1', 'Customer 3');
BEGIN
  IF group1 = group2 THEN
    ...
  END IF;
END;
	TRUE	FALSE					0	1			

Carefully read the question and answer accordingly.
The below code checks whether the colletion is NULL and prints NULL, state TRUE or FALSE?
DECLARE
  TYPE emp_rec is RECORD (
   firstname   TBL_employees.firstname%TYPE,
   lastname   TBL_employees.lastname%TYPE
    );
  TYPE professor IS TABLE OF emp_rec;
  members professor;
BEGIN
 	
  IF members IS NULL THEN
   DBMS_OUTPUT.PUT_LINE('NULL');
  ELSE
   DBMS_OUTPUT.PUT_LINE('Not NULL');
  END IF;
END;
/
	TRUE	FALSE					1	0			

Question									
Carefully read the question and answer accordingly. How to reference the below Packaged variables outside of PLSQL? CREATE OR REPLACE PACKAGE pkg_var AS dummy_var CONSTANT VARCHAR2 (5) := 'xyz'; END pkg_var;	DECLARE x VARCHAR2 (5); BEGIN SELECT pkg_var.dummy_var INTO x FROM DUAL; DBMS_OUTPUT.put_line (x); END;	DECLARE x VARCHAR2 (5); BEGIN SELECT dummy_var INTO x FROM DUAL; DBMS_OUTPUT.put_line (x); END;	BEGIN SELECT pkg_var.dummy_var INTO x FROM DUAL; DBMS_OUTPUT.put_line (x); END;	None of the listed options		1	0	0	0
Carefully read the question and answer accordingly. A Service locator is best implemented as a singleton	TRUE	FALSE				1	0		
Carefully read the question and answer accordingly. Which design pattern used in creating connections using Java Database Connectivity (JDBC) API	Proxy pattern	Factory Pattern	Iterator	Abstract Factory		0	1	0	0
Carefully read the question and answer accordingly. The template pattern avoids code duplication by defining common algorithm in base class and let the subclasses to implement the variations in the algorithm	TRUE	FALSE				1	0		
Carefully read the question and answer accordingly. A developer designs a web application that must support multiple user interfaces such as 1. XML based web services for Business to Business clients 2. HTML for web based clients 3. WML for wireless clients Which design pattern provides the solution for this requirement.	DAO	Model - View - Controller	Chain of Responsibility	Bridge Pattern		0	1	0	0

Question	A	B	C	D			A'	B'	C'	D'	

Carefully read the question and answer accordingly.
In the below code, if we declare List interface instead of ArrayList, it would be easier to change any List implementation to store customer details in future. By defining ArrayList here the programmer tightly couples the ArrayList in his application.
class CustomerList {
 ArrayList customerList;
 public CustomerList(ArrayList list){
 customerList=list;
 }
}
	TRUE	FALSE					1	0			

Carefully read the question and answer accordingly. As a developer, you are defining the logging service in the application. There should be only one instance of logging service should be defined so that multiple sources in your application can register and use it. The logging service should be accessible by all sources of application and hence you need to provide global point of access to the service. Identify the pattern used for this scenario.	singleton	Factory	Abstract Factory	MVC			1	0	0	0	
Carefully read the question and answer accordingly. You are developing a web application and based on the client requests, your application has to share huge data files with respective clients. To save the network bandwidth, the files have to be compressed before sending the response. The logic for compressing the data files should not be redundant though compression has to applied for all the responses. Which design pattern should be used in this scenario to avoid the duplication of the compression code?	Intercepting Filter	DAO	Model - View - Controller	Transfer Object			1	0	0	0	

Question	Option A	Option B	Option C	Option D		Score A	Score B	Score C	Score D	
Carefully read the question and answer accordingly. The Java Remote Method Invocation (RMI) system allows an object running in one JVM(Client) to invoke methods on an object running in another JVM(Server). The RMI Client creates the local representation of the remote object running in the server. Which design pattern implemented in this scenario.	Proxy pattern	Decorator Pattern	Composite Pattern	Adapter Pattern		1	0	0	0	
Carefully read the question and answer accordingly. Which are the pattern types are used for building loosely coupled systems	Creational pattern	Structural Pattern	Behavioral Pattern	Non of the options		0	0.5	0.5	0	
Carefully read the question and answer accordingly. Select the benefit of using Transfer Object design pattern	It reduces network traffic by combining multiple calls into one network call and fetch and return multiple values in one trip	It increases the complexity of the remote interface and access by removing coarse grained methods	Minimizes the latency and server resource usage	It increases the network performance by introducing multiple fine grained remote requests		0.5	0	0.5	0	
Carefully read the question and answer accordingly. We are developing a system that performs approval of various purchasing requests. The approval authority can be a purchase lead or purchase manager or purchase head based on the cost of the purchase. The system should be flexible to select the approver based on the cost of the purchase. Which design pattern should be used to handle this situation.	Bridge pattern	Chain of Responsibility pattern	Template Method Pattern	MVC Pattern		0	1	0	0	

Question										

Carefully read the question and answer accordingly.
Observe the below code snippet.
public interface iPersistence{
 public Object save(Object o);
 public Object findBy(Object key);
}
public class PersistenceImp implements iPersistence{
 public Object save(Object o){
 ....
 }
 public Object findBy(Object key){
 ....
 }
}
As per the requirement, the iPersistence interface might be added with few more methods in future. This leads to the change of code in PersistenceImp class as well to provide implementation for new abstract methods introduced. Which pattern should be used in this scenario so that any change in the interface will not result in a change in PersistenceImp class.
	Bridge pattern	Decorator Pattern	Proxy Pattern	Template Pattern		1	0	0	0	

Carefully read the question and answer accordingly. Which are the statements are true	Cohesion is the OO Concept which hides the implementation	Software coupling defined as the degree to which a software module relies or depends on other modules.	Cohesion is clear separation of related functionality into distinct modules, Components , or classes.	Cohesion maximizes code reusability	Cohesion is the OO principle most closely associated with allowing an object to have many types	0	0.33	0.33	0.33	0

Question	A	B	C	D	E					
Carefully read the question and answer accordingly. Consider that we are connecting to different data sources from our application. If we couple the persistence code along with business logic, then the change of data source in the application will affect the business logic. Which design pattern is recommended to handle this scenario to ensure that the change in data source would not affect the business logic. .	DAO Pattern	Factory Pattern	Façade	Service Locator		1	0	0	0	
Carefully read the question and answer accordingly. Select the options which are true for Singleton pattern	Singleton pattern ensures that only one object for the class created	Provides global access to the Singleton Object	To implement singleton pattern, we create static reference to the singleton instance and return a reference to that instance from a static instance() method	the implementation code for Singleton pattern : public class PrinterSingleton { public PrinterSingleton instance = null; private PrinterSingleton () { } public PrinterSingleton getInstance() { if(instance == null) { instance = new PrinterSingleton (); } return instance; } }	Application Context is the example of Singleton Pattern	0.25	0.25	0.25	0	0.25

Carefully read the question and answer accordingly. A good designed application should have " tight coupling and low cohesion"	TRUE	FALSE					0	1		