

MET-IIT
Practice Mock for JAVA – II

Q.No.1

Which code snippet could execute the stored procedure "findResult ()" located in a database server?

- a. `Statement stmt=connection.createStatement();
stmt.executeQuery("findResult()");`
- ☒ b. `CallableStatement cs=connection.prepareCall("{call findResult}");
cs.executeQuery();`
- c. `PreparedStatement pstmt=connection.prepareStatement("findResult()");
pstmt.execute();`
- d. `Statement stmt=connection.createStatement();
stmt.executeStoredProcedure("findResult()");`

Q.No.2

What is the root element for a deployment descriptor of a web application?

- a. `<web-application>`
- b. `<web>`
- ☒ c. `<web-app>`
- d. `<deploy-descriptor>`

Q.No.3

Which of the following tags are used for directives in JSP?

- a. `<%! %>`
- ☒ b. `<%@ %>`
- c. `<% %>`
- d. None of the above

Q.No.4

Which of the following is not an implicit object in JSP?

- a. `response`
- b. `config`
- c. `pageContext`
- ☒ d. `system`

Q.No. 5

How can you compile the HelloWorld.java file using compact profile1?

- a. `javac -compact1 HelloWorld.java`
- b. `javac -compact compact1 HelloWorld.java`
- c. `jdeps -profile HelloWorld.java`
- ☒ d. `javac -profile compact1 HelloWorld.java`

Q.No. 6

Which of the following statements includes the file header.html in another?

- a. <%@ include="header.html" %>
- b. <%@ include file="header.html" %>**
- c. <%@ page include="header.html" %>
- d. <%@ include url="header.html" %>

Q.No. 7

Find correct output

```
import java.net.*;
class networking {
    public static void main(String[] args) throws UnknownHostException {
        InetAddress obj1 = InetAddress.getByName("cdac.in");
        System.out.print(obj1.getHostName());
    }
}
```

- a. cdac
- b. cdac.in**
- c. www.cdac.in
- d. None of the above

Q.No.8

How can we get a session object in Hibernate?

- a. SessionFactory.open();
- b. SessionFactory.getSession();
- c. SessionFactory.openSession();**
- d. Session.getSession();

Q.No. 9

Which method of DriverManager class is used to establish a connection to the given database url?

- a. setConnection(String url, String user, String password)
- b. connect(String url, String user, String password)
- c. getConnection(String url, String user, String password)**
- d. setConnection(String url)

Q.No.10

What is the location of any external JARs used in an application to store in any WAR file?

- a. /jars/
- b. /WAR-INF/jars/
- c. /WEB-INF/jars/
- d. /WEB-INF/lib/**

Q.No. 11

Which of the below statement is true about request.getSession(false)?

- a. If session exists, returns the current session associated with the request else creates new session object.
- b. If session exists or not, always returns the new session.
- ☒ c. If session exists, returns the current session associated with the request else returns null.
- d. None of Above.

Q.No.12

Which of the following JSTL Tag is used to iterate over a collection of objects?

- a. <c:iterate>
- b. <c:for>
- ☒ c. <c:forEach>
- d. <c:loop>

Q.No.13

Which of the following is a valid statement?

- a. <jsp:getProperty id="firstbean" name="firstproperty" />
- ☒ b. <jsp:getProperty name="firstbean" property="firstproperty" />
- c. <jsp:getProperty name="firstbean" value="firstproperty" />
- d. None of the above

Q.No.14

Which of the following methods can be used to access the session-scoped attribute?

- ☒ a. Object getAttribute(String) in HttpSession
- b. String getAttribute(String) in HttpSession
- c. void getAttribute(String) in HttpSession
- d. String getAttribute(Object) in HttpSession

Q.No.15

Which is the JSP implicit object of type ServletContext used for getting context information and attributes?

- a. context
- b. pageContext
- c. config
- ☒ d. application

Q.No. 16

Java Beans are usual Java classes which

- a. Implements java.io.Serializable interface
- b. Provides no argument constructor
- c. Provides getter and setter methods for accessing it's properties.
- d. All of the above**

Q.No. 17

Which of the following imports java.util package into the current JSP Page?

- a. `<%@ import="java.util" %>`
- b. `<%@ page import="java.util" %>`
- c. `<%@ import="java.util.*" %>`
- d. `<%@ page import="java.util.*" %>`**

Q.No. 18

Which of the following statements is the correct notation for declaring tag library identified by the following tag URI <http://java.sun.com/jsp/jstl/xml> with the namespace prefix 'x'.

- a. `<%@ taglib uri="http://java.sun.com/jsp/jstl/xml" prefix="x" %>`**
- b. `<%@ page taglib-uri="http://java.sun.com/jsp/jstl/xml" namespace-prefix="x" %>`
- c. `<%@ page taglib-uri="http://java.sun.com/jsp/jstl/xml" taglib-prefix="x" %>`
- d. `<%@ taglib-uri="http://java.sun.com/jsp/jstl/xml" taglib-prefix="x" %>`

Q.No. 19

Which of the following constructor is not possible with respect to Locale Class?

- a. `Locale(String language)`
- b. `Locale(String country)`**
- c. `Locale(String language, String country)`
- d. `Locale(String language, String country, String variant)`

Q.No. 20

Which is the superclass of all exceptions in the JNDI?

- a. `JNDIException`
- b. `NamingException`**
- c. `ContextException`
- d. `AuthenticationException`

Q.No.21

Which of the following design patterns does not belong to Creational Patterns?

- a. Builder
- ☒ b. Observer
- c. Singleton
- d. Abstract Factory

Q.No.22

When a change to one object requires changing others, then in that scenario which of the following Design Pattern is used?

- a. State
- ☒ b. Observer
- c. Mediator
- d. None of the above

Q.No.23

Which of the following is not true with respect to Cookies?

- a. Cookies are one of the solutions for session tracking.
- b. Cookies are generated at the Client Side.
- c. Cookies carry small pieces of information.
- ☒ d. None of the Above.

Q.No.24 : What is the full form of JNDI?

- a. Java Network and Directory Implementation
- b. Java Name Directory Interface
- c. Java Network Directory Interface
- ☒ d. Java Naming and Directory Interface

Q.No.25

Which of the following is a valid annotation definition?

- a. `private @interface MyFirstAnnotation{ }`
- ☒ b. `public @interface MyFirstAnnotation{ }`
- c. `public @annotation MyFirstAnnotation{ }`
- d. `public @MyFirstAnnotation{ }`

Q.No.26

Which of the following annotations is not a built-in annotation?

- a. `@FunctionalInterface`
- ☒ b. `@ThreadSafe`
- c. `@Override`
- d. `@Native`

Q.No. 27

Which statement is correct for container-managed transactions, if the value of Transaction Timeout field is set to 0?

- a. Transaction will not start.
- ☒ b. Transaction will never time out.
- c. If the transaction has not completed within 10 seconds, the container rolls it back.
- d. Transaction will automatically close after 10 seconds.

Q.No. 28

What does session.evict() method do?

- ☒ a. remove the object and its collections from the first level cache
- b. remove the object and its collections from the second level cache
- c. remove the object and its collections from the data base
- d. None of the above

Q.No.29

Which of these tags converts a control's value into a number?



- a. f:convertNumber
- b. f:Number
- c. f:convertInteger
- d. f:Integer

Q.No. 30

Which of the following caching mechanism is supported by Hibernate?

- a. Entity Caching
- b. Collections Caching
- c. Query Caching
- ☒ d. All of Above

Q.No.31

Which of the following will handle all request and response in Spring MVC Framework?

- a. `org.springframework.web.servlet.DispatcherServlet`
- b. `org.springframework.context.ApplicationContext`
- c. `org.springframework.web.context.WebApplicationContext`
- d. `org.springframework.web.servlet.HttpServlet`

Q.No.32

In springs, which of the following annotation will be used to bind a method parameter to the body of web request?

- a. `@RequestBody`
- b. `@RequestParam`
- c. `@RequestMapping`
- d. `@Request`

Q.No.33

_____ is not a module in the Spring architecture.

- a. Spring AOP
- b. Spring ORM
- c. Spring APO
- d. Spring DAO

Q.No. 34

What do you understand by interceptors in Struts 2?

- a. Interceptors are invoked before and after the Action is executed to achieve the features like validation, file upload, exception handling and many more.
- b. Interceptors are the major point of control which used to dispatch request execution to given actions.
- c. Interceptors are used to integrate the struts 2 application with other frameworks like hibernate, spring etc.
- d. All of above.

Q.No. 35

Which Facelets core tag is used to validate string length to a particular range?

- a. `<f:validateLength minimum = "Integer value" maximum = "Integer value" />`
- b. `<f:validateLength min = "Integer value" max = "Integer value" />`
- c. `<f:validateString minimum = "Integer value" maximum = "Integer value" />`
- d. `<f:validateString min = "Integer value" max = "Integer value" />`

Q.No.36

Which annotation is used for mapping URL with Controller in Spring Framework?


- a. @Mapping
- b. @Controller
- c. @URL
- d. @RequestMapping

Q.No. 37

Which of the below module does not comes under the Core Container in Spring 3?

- a. Beans
- b. Core
- c. Context
- d. AOP

Q.No.38

How around advice works? 

- a. Run advice before and after method execution regardless of its outcome.
- b. Run advice after a class loads.
- c. Run advice after http response is returned.
- d. Run advice after http request is processed.

Q.No. 39

What is Advice in the Spring Aspect-Oriented Programming (AOP)? 

- a. Advice is an action taken by an aspect at a particular join point.
- b. Declaring additional methods or fields a particular join point is called Advice.
- c. Linking aspects with other application types or objects is known as Advice.
- d. Advice is an execution of a program matched by the pointcut.

Q.No. 40

What is true about interoperability in web service?

- a. Various applications can talk and share data and services among themselves.
- b. Other applications can also use the web services.
- c. Web services are used to make the application platform and technology independent.
- d. All of the above.