

CSE(DS)

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Quiz 1

① ^{syntax} ~~Syntax~~ of out implicit object JSP

② Public class object // correct object class
is a root class

→ correct

③ ~~long + long~~ form of JDK Java Develop-
ment kit

④ java.lang.DataInputStream will include
only one class in a program
→ True

⑤ What are the types of access
modifiers?
→ public, private, protected.

Quiz 2

① Multiple inheritance is directly achieved in java (True/False) Justify

→ False Because java avoid ambiguity it doesn't allow multiple inheritance with classes only interface

② Hybrid Inheritance mean multiple

③ Interface consist of Field variable. What do you mean by Field variable? Give Example.

→ interface vehicle

```
    int MAX_SPEED = 120;  
}
```

④ Difference bet^w Error and Exception

→ Error is a code wrong or
Exception is a code

⑤ Write code snippets For Null pointer Exception

⇒

• str is null

• calling str.length() tries to access a method on null object → throws Null pointer Exception.

Quiz 5

Q.1) long Form of ACMA Associate Cost and Management Accountant

② Write 4 Function / Feature of Javascript
→ ① Dynamic typing ② Client-side scripting
③ Event Handling ④ object-oriented programming

③ Write Steps to install React with Helloword program

→ ① Install Node.js
② Open terminal and run
③ Open src/App.jsx and replace with

④ Feature of React

→ ① Component-Based
② One-way Data Binding
③ JSX syntax for easy

⑤ Example of React website

→ Facebook
Instagram
Netflix

Quiz 6

① Steps to install Spring Framework

- ⇒
- ① Install Java JDK
 - ② Install Maven
 - ③ Go to website spring
 - ④ Select project → Add → Generate
 - ⑤ Import project into Eclipse
 - ⑥ Run the main class

② Feature of springboot

- Auto-Configuration, standalone application, Rapid development

③ Difference HTML4 and HTML5

- HTML4: old, basic structure, required plugins for multimedia

HTML5: Modern, multimedia-ready, mobile-friendly, semantic, faster

④ Long Form of XML Extensible Markup Language

- ⑤ Write short note on following term with the help of example

Quiz - 4

- ① long form of JSP is Java Server Page
- ② servlet has types Generic and Servlet
- ③ Syntax of doGet Method
→ HTTP GET
- ④ out is a object of which class in JSP
→ an object of the PrintWriter class
- ⑤ out is a object of which class in servlet?
→ out is an object of the PrintWriter class

Quiz 3

- ① Number of JDBC Drivers are Four
- ② Package used for connecting front end to back end is JDBC
- ③ long form of JDBC Java Database Connectivity
- ④ Connection class can be installed using Driver Manager class
⇒ True. In java a connection object is obtained using the Driver
- ⑤ ResultSet ~~class~~ class can be instantiated using statement class (True/False)
→ True

Explanation:-

In java a ResultSet object is obtained by executing a query through a statement object.

a] Java

Java is an object-oriented platform-independent programming language used for building desktop, mobile and backend applications. Java programs run on the JVM (Java Virtual Machine).

Ex. (Hello World in Java)

b] JavaScript

JavaScript is a client-side scripting language used to add interactivity to web pages. It runs inside the browser.

Ex. (Changing text on button click)

c] JSP (Java Server Pages)

JSP is used to create dynamic web pages on the server using java. we can mix HTML + Java code in JSP.

Ex. (JSP page printing message)

4) Servlet

Servlet is a Java class used to handle HTTP requests and generate responses. It runs inside a web server (like Tomcat).

Example (simple Servlet)

5) React

React is a JavaScript library used for building fast component-based user interfaces (UI). React is mainly used for single-page applications.

Ex: (React component)

6) Spring Boot

Spring Boot is a Java framework used to build REST APIs and web applications quickly with less configuration.

Ex. (Spring Boot REST API)