Total Weightage/Marks: 70

Q.1   Multiple Choice Questions.   08

1. Which of the following code is used to get session id of a HTTP Session object in servlets?

    A. session.getSessionId()   B. session.getActiveId()

    C. session.getId()   D. None of the above.

2. Which of the following code is used to get cookies in servlet?

    A. response.getCookies()   B. request.getCookies()

    C. Cookies.getCookies()   D. None of the above

3. Abbreviate the term JMS?

    A. Java Monitor Service   B. Java Message Session

    C. Java Monitor Session   D. Java Message Service

4. Which of the following is not true for servlet?

    A. It is persistent   B. It is single threaded

    C. Platform independent   D. High performance

5. Why java program cannot directly communicate with an ODBC driver?

    A. ODBC written in C# language   B. ODBC written in C language

    C. ODBC written in C++ language   D. None of the above

6. Which of the following is an implicit object?

    A. pageContext   B. sessionContext

    C. servletContext   D. httpContext

7. Which of the following do not supports JSP directly?

    A. Tomcat Server   B. Apache HTTP Server

    C. WebSphere Server   D. Weblogic Server

8. Which is a component in AWT that can contain another components like buttons, textfields, labels etc.?

    A. Window   B. Panel

    C. Container   D. Panel

Q.2 Answer the following questions in short. (Any 07)   14

1) Draw figure of Native-API driver.

2) What is JSTL?

3) What is Web and Applet Container?

4) Explain JNDI and JAF in brief.

5) Differentiate between Servlet and JSP.

6) Draw the 2-tier Enterprise Architecture.

7) Draw the Web Based Architecture.

8) What is servlet container?

9) Differentiate between Java AWT and Java Swing.

Q.3(A) Explain JDBC Connectivity with MS Access with example.   06

   (B) Explain JComboBox and its constructors with one example.   06

                                    OR

   (B) Explain JRadioButton and its constructors with one example.   06

Q.4(A) Write a short note on the HTTP Servlet Class with doGet() and doPost()   06
       method. (Give Example)

   (B) Explain Servlet Life Cycle in detail. (With Diagram)   06

                                    OR

   (B) Explain methods of HTTP response interface in detail.   06

Q.5(A) Write a short note on JSP Elements.   06

   (B) Explain Implicit Object in JSP with example.   06

                                    OR

   (B) Write alternatives for developing Web applications with JSP.   06

Q.6(A) Write a short note on J2EE with its advantages and disadvantages.   06

   (B) What is Enterprise? List and Explain goals of well designed enterprise   06
       applications.

                                    OR

   (B) Explain Distributed Systems with figure and write a note o layers of   06
       Software.

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