003-003501

B.C.A. (Sem.-V) (CBCS), Examination

October-2013

CS-25 : Advanced JAVA Programming

Faculty Code : 003
Subject Code : 003501

Time : 2.30 hrs]   Total Marks : 70

Section – I

1.   Select the appropriate choice from given answers.   20

   (1)   Which method is used to identify Remote Object ?

   (a)   bind   (b)   lookup

   (c)   list   (d)   rebind

   (2)   What is proper sequence of servlet life cycle ?

   (a)   init( ), service( ), destroy( )   (b)   service( ), init( ), destroy( )

   (c)   service( ), destroy( ), init( )   (d)   init( ), destroy( ), service( )

   (3)   doGet and doPost methods are called via _____.

   (a)   service( )   (b)   init( )

   (c)   destroy( )   (d)   httpService( )

   (4)   Which of the following error message displayed when the page throws an exception ?

   (a)   550   (b)   440

   (c)   404   (d)   500

   (5)   A piece of data assigned by server and added to client is known as _____.

   (a)   Session   (b)   Cookie

   (c)   JSP   (d)   Servlet

   (6)   getWriter method is a member of _____ interface

   (a)   ServletRequest   (b)   ServletResponse

   (c)   SingleThreadModel   (d)   Servlet

   (7)   Which one is not a member of HttpServlet class ?

   (a)   doPost( )   (b)   doHeader( )

   (c)   doOption( )   (d)   doPut( )

(8) Which package contains JDBC classes ?
    (a) java.sql   (b) java.jdbc
    (c) java.lang   (d) java.dbms

(9) Which driver is used to connect with almost any database ?
    (a) Type 1   (b) Type 2
    (c) Type 3   (d) Type 4

(10) Which one of the following is not a method of connection interface ?
    (a) createStatement( )   (b) getConnection( )
    (c) commit( )   (d) getMetaData( )

(11) Which method is used to load driver in to memory ?
    (a) Class.forName   (b) Class.connection
    (c) class.LoadDriver   (d) DriverManager.getConnection

(12) Which interface is used to call procedure in JDBC ?
    (a) Statement   (b) PreparedStatement
    (c) CallableStatement   (d) ResultSet

(13) Which layer is intermediate between the proxy layer and transport layer ?
    (a) RRL   (b) RMIC
    (c) JVM   (d) TCP

(14) TLD stands for _____.
    (a) Tag Library Descriptor   (b) Tag Library Directory
    (c) Tag Language Directory   (d) Tag Language Descriptor

(15) Which scope is most visible ?
    (a) Session scope   (b) Coolie scope
    (c) Page scope   (d) Application scope

(16) It performs a database query like select statement and returns ResultSet ?
    (a) Sql:Update   (b) Sql:Query
    (c) Sql:Select   (d) Sql:SetDataSource

(17) Which one is a not EL literal ?
    (a) String   (b) Double
    (c) Floating Point   (d) Integer

(18) In JSP scope of implicit out object is _____.
    (a) Page   (b) Session
    (c) Application   (d) Request

(19) Which is not a type of container ?

    (a)   Applet Container   (b) Application Container

    (c)   EJB Container   (d) Database Container

(20) Which of the following is not a type of beans ?

    (a)   Mail Beans   (b) Message Drivern Beans

    (c)   Session Beans   (d) Entity Beans

Section – II

2.   (a)   Answer the following (any **three**) :   6

        (1)   Explain basic JDBC steps for Database Connectivity.

        (2)   Explain JDBC driver types.

        (3)   Explain URL Rewriting.

        (4)   Explain Container.

        (5)   Explain Stub and Skeleton.

        (6)   Explain following terms :

            (i)   Deployment Descriptor

            (ii)   Metadata

   (b)   Answer the following (any **three**) :   9

        (1)   Explain EL implicit objects.

        (2)   Explain Servlet life cycle.

        (3)   Explain methods of Servlet Interface.

        (4)   Explain implicit session object of JSP with example.

        (5)   State difference between statement interface and prepared statement interface.

        (6)   Explain JSP Life Cycle.

   (c)   Answer the following (any **two**) :   10

        (1)   Write down a servlet program to count how many times page is visited.

        (2)   Write html file which accept username and password, after submitted call the JSP page which will print Welcome message with name of the user.

        (3)   Write down a program to insert a record in Employee table using JDBC ODBC Driver. (Emp_no, Emp_name, Join_Date, Sal)

        (4)   Write down a program to find out division of given two numbers using JSP error exception.

        (5)   Write a program to illustrate servlet collaboration.

3. (a) Answer the following (any **three**) :   **6**
    (1) Explain any four implicit objects of JSP.
    (2) Explain JSP architecture.
    (3) Explain N tier architecture.
    (4) Explain any three JSTL core tags.
    (5) Explain any three methods of Cookie class.
    (6) Explain methods of RequestDispatcher interface.

  (b) Answer the following (any **three**) :   **9**
    (1) Explain following methods :
      (i) getWriter
      (ii) setContentType
      (iii) sendRedirect
      (iv) getSession
      (v) getParameter
      (vi) addCookie

    (2) Explain Servlet VS JSP.

    (3) Explain Directive elements of JSP.

    (4) Explain following Action elements :
      (a) <jsp:include>
      (b) <jsp:forward>
      (c) <jsp:plugin>

    (5) State difference between include directive element and include action element of JSP.

    (6) Explain DatabaseMetaData interface.

  (c) Answer the following (any **two**) :   **10**
    (1) Explain J2EE APIs.
    (2) Explain RMI architecture.
    (3) Explain cookie with Servlet API.
    (4) What is Session ? Explain with Servlet API.
    (5) Explain Connection Interface.

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