PAP-003-003507   Seat No. _____

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

October / November - 2018

CS - 25 : Advance JAVA Programming (J2EE)

(Old Course)

Faculty Code : 003
Subject Code : 003507

Time : $2\frac{1}{2}$ Hours]   [Total Marks : **70**

1   Select the appropriate choice from given answers.   **20**

   (1)   Which method is used to identify remote object ?

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

   (3)   _____ error message displayed when the page throws an exception.

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

   (5)   getWriter method is a member of _____ interface.

   (6)   _____ driver is used to connect with almost any database.

   (7)   _____ method is used to load driver in to memory.

   (8)   _____ interface is used to call procedure in JDBC.

   (9)   _____ layer is intermediate between the proxy layer and transport layer.

   (10)   TLD stands for _____.

(11) In JSP scope of implicit out object is _____.

(12) EIS stands for _____.

(13) An object on another computer is known as _____.

(14) Naming class belongs into _____ package.

(15) DSN stands for _____.

(16) CGI stands for _____.

(17) _____ is used to specify attributes for the whole JSP page.

(18) Scope of the out object is _____.

(19) MVC stands for _____.

(20) EJB stands for _____.

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

(1)   Explain basic JDBC steps of Database Connectivity.

(2)   Explain JDBC drive types.

(3)   Explain URL rewriting.

(4)   Describe Container.

(5)   Describe types of enterprise Beans.

(6)   Give difference between JDBC and ODBC.

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

(1)   Describe J2EE API.

(2)   Describe Stub and Skeleton.

(3)   Describe sendRedirect() and setAttribute() method.

(4)   Explain EL implicit objects.

(5)   Explain Servlet life cycle.

(6)   What is Struts Flow of Control ?

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

     (1) Describe RMI architecture.

     (2) Describe Enterprise Architecture of J2EE.

     (3) Describe Connection interface.

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

     (5) Write down a program to insert a record in Employee table using JDBC ODBC Driver.

     (Emp_no, Emp_name, Join_Date, Sal)

3 (a) Answer the following : (any **three**)   **6**

     (1) Explain any three JSTL core tages.

     (2) Explain any three methods of Cookie class.

     (3) Explain methods of RequestDispatcher interface.

     (4) Explain getInitParameter ( ) and getInitParameterNames( ).

     (5) Explain Disadvantages of Hibernate.

     (6) Explain scope of the variable in JSP.

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

     (1) What is Jars files of hibernate ?

     (2) Explain difference between getParameter( ) and getParameterValues( ).

     (3) Explain any three implicit objects of JSP.

     (4) Explain Directive elements of JSP.

     (5) Explain DatabaseMetaData interface.

     (6) Explain Servlet VS JSP.

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

    (1) Explain Hibernate Architecture

    (2) Explain Spring Architecture.

    (3) Write a Servlet program which creates a session and print all the information related to session in the tabular format.

    (4) Write a JSP program which creates error page and handle exception with the uses of the error page.

    (5) Explain RequestDispatcher interface with example.

————————