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

May / June – 2017

CS-25 : Advance JAVA Programming - (J2EE)

Faculty Code : 003
Subject Code : 003507

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

SECTION - I

1   Answer the following questions in One Word or One Sentence : **20**

(1)   Default value of buffer attribute in page directive is _____.

(2)   JSP embeds _____ in _____.

(3)   Application is divided in to client machine and database server is called _____ architecture.

(4)   Which protocol is stateless protocol?

(5)   Give full form of JTA.

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

(7)   ODBC Stands for _____.

(8)   Which method is used to select the record from the table?

(9)   What is the proper sequence of servlet life cycle? Give method Name.

(10) MIME stands for _____.

(11) _____ is a special compiler for creating stub and skeleton classes.

(12) What is Hibernate?

(13) ORM Stands for _____.

(14) HQL stands for _____.

(15) What is MVC?

(16) Give full form of IOC.

(17) What is the use of Struts framework?

(18) What is Entity Bean in EJB?

(19) Write down Hibernate dialect for MySQL database connectivity.

(20) What is Stub?

SECTION - II

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

    (1) Explain getRemoteAddr( ) method.

    (2) Explain setAttribute( ) method.

    (3) Explain getParameterValues( ) method.

    (4) Explain forName( ) method.

    (5) Explain getCookies( ) method.

    (6) Explain setStatus( ) method.

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

    (1) Explain the Database Meta Data.

    (2) Explain the Servlet Life Cycle.

    (3) Explain Native Protocol Driver.

    (4) Explain Statement interface.

    (5) Explain GenericServlet class.

    (6) Explain Hidden from fields with example.

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

    (1) Write a program which has two servlet which perform communication between them using servlet collaboration.

    (2) Explain RMI architecture.

    (3) Explain Enterprise Architecture Style.

    (4) Write a program that will demonstrate the use of JDBC in servlet.

    (5) Explain JSP Scripting elements with example.

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

    (1) Explain Timer Service in EJB.

    (2) Explain Hibernate advantages.

    (3) What is Spring ?

    (4) Explain JAVA Beans properties.

    (5) What is EJB ?

    (6) What is Hibernate Annotation ?

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

    (1) Explain Hibernate Mapping file.

    (2) Explain MVC Architecture.

    (3) Explain different types of EJB.

    (4) Explain Struts features.

    (5) Explain Hibernate Session.

    (6) Explain Spring Advantages.

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

(1)   Explain Hibernate Architecture.

(2)   Explain Struts flow of Control.

(3)   Explain different Spring Modules.

(4)   Explain JSP Life cycle.

(5)   Write a JDBC Program that will demonstrate the use of Prepared statement.

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