HCM-003-004502   Seat No. _____

B. Sc. (I.T.) (Sem. V) (CBCS) Examination

October – 2017

CS - 26 : Advanced Java Programming

Faculty Code : 003

Subject Code : 004502

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

1 Attempt the following questions :   **20**

   (1) Full form of JDBC is _____ .

   (2) Full form of EIS is _____ .

   (3) JDBC Type - 3 driver is also known as _____ driver.

   (4) Specify driver name to connect with MySQL database,

   (5) Session class belongs into which package ?

   (6) To create object of PreparedStatement interface, which method is used?

   (7) List any two methods of Servlet interface.

   (8) What is the use of CallableStatement interface?

   (9) Which method is used to get session id?

  (10) To retrieve a result of select query which object use ?

  (11) Who will control life cycle of a servlet?

  (12) Which package contains JDBC classes?

  (13) JMS stands for _____ .

(14) bind( ) and rebind( ) method belongs to which class?

(15) JSP stands for _____ .

(16) response is instance of which class in jsp?

(17) Is it possible to process HTML FORM data in JSP page?

(18) How to apply comments in jsp page?

(19) What is the use of expression tag in jsp page?

(20) How many times init( ) method is called in Servlet life cycle?

2   (a)   Attempt any **three** :   6

       (1)   What is RMI?

       (2)   What is Meta Data?

       (3)   What is Cookie?

       (4)   List out methods of Connection interface.

       (5)   What is JDBC?

       (6)   What is Stub?

   (b) Attempt any **three** :   9

       (1)   Explain PreparedStatement interface.

       (2)   Explain servlet life cycle.

       (3)   Explain Hidden Form field with example.

       (4)   What is ResultSet MetaData?

       (5)   Explain Native Protocol Driver of JDBC.

       (6)   Explain Two tier architecture of J2EE application.

(c) Attempt any **two** : 10

    (1)   Explain J2EE architecture.

    (2)   Explain HttpSession with example.

    (3)   Explain ResultSet interface.

    (4)   Explain servlet collaboration with example.

    (5)   Write a program with JDBC to accept employee id from user and delete that employee from employee table.

3   (a)   Attempt any **three** : 6

    (1)   Define Scriplet.

    (2)   List out JSP implicit objects.

    (3)   Explain doPost( ) method.

    (4)   Explain get AttributeNames( ) method.

    (5)   Explain invalidate( ) method of session.

    (6)   Explain getCookies( ) method.

    (b)   Attempt any **three** : 9

    (1)   Explain JSP life cycle.

    (2)   Explain getParameterValues( ) with example.

    (3)   Explain <jsp:include> tag.

    (4)   Differentiate Servlet *v/s* JSP.

    (5)   Explain any one implicit object of JSP page.

    (6)   Describe RMI architecture.

(c) Attempt any **two** :   10

   (1) Explain JDBC step for database connectivity.

   (2) Explain scope of JSP variable in detail.

   (3) Write a program to find out division of two numbers
        using JSP Error Handling.

   (4) Create register.html file that will accept username,
        password, first name, last name from user and
        display those information in JSP page.

   (5) Write a short note on Servlet Exception.

_____