MAK-003-004502   Seat No. _____

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

October / November – 2016

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 RMI is _____.

    (2)   lookup ( ) method belongs into which class?

    (3)   Database Tier is also known as _____ tier.

    (4)   _____ and _____ container resides on server side.

    (5)   To execute stored procedure which interface is used?

    (6)   JDBC Type -1 driver is also known as _____ driver.

    (7)   Which method is used to load the driver?

    (8)   To create object of Statement interface which method is used?

    (9)   List the name of packages which are used for RMI programming.

    (10) List the name of methods of servlet life cycle.

    (11) setContentType ( ) method belongs into which interface?

    (12) Cookie class belongs into which package?

    (13) List method of ServletConfig interface.

    (14) Which scope is the most restrictive scope in JSP ?

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

    (16) Which tag in the JSP is used to define the error page?

    (17) Which ResultSet type is used to update the rows directly in the database?

(18) Write signature of getConnection ( ) method.

(19) Which API is used for creating Dynamic web page?

(20) Full form of MIME is _____.

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

     (1)   Explain J2EE container.

     (2)   Explain stub and skeleton.

     (3)   Explain single tier architecture.

     (4)   Give difference between JDBC and ODBC.

     (5)   Give difference between web server and application server.

     (6)   List steps for JDBC connectivity.

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

     (1)   Explain J2EE API.

     (2)   Explain bind ( ), rebind ( ) and lookup ( ) method.

     (3)   Explain prepareStatement ( ) method.

     (4)   Explain Servlet Life Cycle.

     (5)   Explain the term : HTTP, Deployment Descriptor, Content Type

     (6)   Explain DatabaseMetaData interface.

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

     (1)   Explain RMI Architecture.

     (2)   Explain different types of JDBC drivers.

     (3)   Explain N-Tier Architecture of J2EE.

     (4)   Explain Cookie with servlet API.

     (5)   Write a JDBC program to accept a Roll number from user and delete information of that student from database.

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

    (1) Explain <jsp : param> tag of JSP.

    (2) Explain any two JSP implicit objects.

    (3) List Navigation methods of ResultSet interface.

    (4) Explain forName ( ) method.

    (5) What is scriplet?

    (6) List different EL operators.

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

    (1) Explain Servlet Exception.

    (2) Describe page directive in JSP.

    (3) Describe life cycle of JSP.

    (4) Describe any three method of ServletResponce interface.

    (5) Explain Hidden form filed with example.

    (6) Explain <jsp: plugin> tag.

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

    (1) Explain JSP Architecture.

    (2) Describe errors and exception handling in JSP.

    (3) Write login.html file which accept username and password. Call Servlet file to print Welcome message with name of the user when user submit login.html file.

    (4) What is Session? Describe with Servlet API.

    (5) Write JDBC program to insert records into User_Info table having fields user_id, user_name, password and city.