Seat No. _____

003-2035001

BACHELOR OF COMPUTER APPLICATION (W.E.F. 2019) BCA (2019) Semester - 5 Examination

BCA (2019) Semester-5 Oct-2023

CS-25 ADVANCE JAVA PROGRAMMING (J2EE)

Time : 2.5Hours]   **[Total Marks : 70**

1   (A) Answer the following: 4

     1   Application is divided into client side and server side is called_____.

     2   JNDI stands for____.

     3   Full form of JMS?

     4   next() is the method of_____.

    (B) Answer in brief (Any one out of two)   2

     1   What is Type-1 driver?

     2   List out the yearly history of j2ee.

    (C) Answer in detail (Any one out of two)   3

     1   Explain the feature of j2ee.

     2   Describe the java.sql package.

    (D) Write a note on (Any one out of two)   5

     1   Describe in brief j2ee APIs.

     2   Write an JDBC Application to perform Insert & Fetch operation using for following fields: itemid, itemname, itemqty, itemrate

2   (A) Answer the following: 4

     1   What are Servlets?

     2   Give Syntax to create a cookie using servlet?

     3   Why Remote interface inherits?

     4   RRL stands for _____

    (B) Answer in brief (Any one out of two)   2

     1   What is the use of Naming Service?

     2   What is server side and client side web application?

(C) Answer in detail (Any out of two)   3

1   What is the use of rmic & rmiregistry?
2   Explain the Servlet Life Cycle.

(D) Write a note on (Any one out of two)   5
1   Explain the RMI Architecture in brief.
2   Write Servlet code to start session when page is loaded with welcome guest
    message on screen.

3   (A) Answer the following: 4
1   JSP stands for _____
2   What is the use of HttpSessionInterface.
3   What is JavaBeans?
4   What is Annotation?

(B) Answer in brief (Any one out of two)   2
1   Why we need getWriter() method?
2   Explain the scripting elements.

(C) Answer in detail (Any one out of two)   3
1   How we can create JavaBean Methods and events?
2   List and explain the JSP implicit Objects.

(D) Write a note on (Any one out of two)   5
1   Explain the JSP Architecture with Life cycle.
2   What are the JavaBeans Properties? List and explain it.

4   (A) Answer the following: 4
1   What is the full form of MVC.
2   What is the full form of HQL?
3   Explain the TimeService EJB
4   What is Stateless Bean.

(B) Answer in brief (Any one out of two)   2
1   List out the main jar files of Hibernate?
2   What is the use of Message driven beans?

(C) Answer in detail (Any one out of two)   3

1   What are the benefits and restriction on EJB.

2   What are the advantages and disadvantages of hibernate.

(D) Write a note on (Any one out of two)   5

1   Explain the MVC Architecture.

2   Explain hibernate architecture with mapping and configuration file.

5   (A) Answer the following: 4

1   In which year Spring was developed.

2   What is the full form of POJO?

3   What is use of FomBean in struts?

4   How many ways to perform Dependency Injection in spring framework?

(B) Answer In brief (Any one out of two)   2

1   What is the definition of spring framework?

2   List out basic components of struts framework.

(C) Answer in detail (Any one out of two)   3

1   Explain brief spring context.

2   Explain the struts.property file.

(D) Write a note on (Any one out of two)   5

1   Explain in brief spring architecture with IOC.

2   What is struts flow control? Explain the basic flow architecture.