Seat No. _____

003-0003507

BACHELOR OF COMPUTER APPLICATION (W.E.F. 2016) BCA (2016) Semester - 5 Examination

BCA (2016) Semester-5 Oct-2023

CS-25 ADVANCE JAVA PROGRAMMING (J2EE)

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

1   (A) Answer the following: 4
     1   What J2EE stands for?
     2   JNDI stands for_____.
     3   Which package needs to be imported for implementing JDBC API in a JDBC program?
     4   What is JDBC?

     (B) Answer in brief (Any one out of two)   2
     1   Explain Callable Statement with example.
     2   What is a Web Container?

     (C) Answer in detail (Any one out of two)   3
     1   List and explain two types of JDBC Drivers.
     2   Explain Prepared Statement.

     (D) Write a note on (Any one out of two)   5
     1   Explain J2EE Architecture.
     2   Explain the JDBC-MYSQL connectivity stepwise in detail with example.

2   (A) Answer the following: 4
     1   RMI stands for_____.
     2   _____ is the server side proxy of the remote object.
     3   _____ is used in URL rewriting.
     4   _____ file is known as a deployment descriptor.

     (B) Answer in brief (Any one out of two)   2
     1   Explain stub class.
     2   What is servlet?

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

1 Explain RMI Architecture.
2 Explain Servlet API.

(D) Write a note on (Any one out of two) 5
1 Explain Servlet Life Cycle in detail.
2 Write servlet to indicate page counter or the number of visitors visited to the page.

3 (A) Answer the following: 4
1 _____tag allows to write Java code in JSP.
2 What is the full form of JSP?
3 List out JSP Elements.
4 Which tag is used for plugin mechanism in JSP page?

(B) Answer in brief (Any one out of two) 2
1 Define: JSP Implicit Objects
2 Explain page directive.

(C) Answer in detail (Any one out of two) 3
1 Explain Action Elements of JSP.
2 Write note on JavaBean Properties and Methods.

(D) Write a note on (Any one out of two) 5
1 Explain Life Cycle of JSP page in detail with methods.
2 Explain Scripting Elements of JSP.

4 (A) Answer the following: 4
1 The full form EJB is _____.
2 _____is name of hibernate XML Configuration file.
3 _____ is the name of Hibernate own Query language.
4 ORM stands for_____.

(B) Answer in brief (Any one out of two) 2
1 Define the term MVC.
2 Give the full form of BMP and CMP.

(C) Answer in detail (Any one out of two) 3
1 Explain types of EJB.

2　Explain Hibernate configuration file.

(D) Write a note on (Any one out of two)　　　　　　　　　　　　　5
1　Explain the benefits of EJB.
2　Explain in brief MVC architecture.

5　(A) Answer the following:　　　　　　　　　　　　　　　　　4
1　Write full form of IoC.
2　Write full form of AOP.
3　Write full form of MVC.
4　Struts based application use _____ in design pattern of an application.

(B) Answer In brief (Any one out of two)　　　　　　　　　　　2
1　What is struts?
2　Explain IoC in Spring.

(C) Answer in detail (Any one out of two)　　　　　　　　　　　3
1　Explain AOP?
2　Write a note on properties file in a Struts application.

(D) Write a note on (Any one out of two)　　　　　　　　　　　5
1　Explain Spring Architecture in detail.
2　Explain Struts Flow of Control