



003-3045001

Seat No. \_\_\_\_\_

003-3045001

BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY) (W.E.F. 2022) BSCIT (2022) Semester - 5 Examination

BSCIT (2022) SEMESTER-5 OCT-2024

CS - 25: ADVANCE JAVA PROGRAMMING (J2EE)

Time : 2.5Hours]

[Total Marks : 70

- 1 (A) Answer the following: 4
- 1 Write full form of JDBC.
  - 2 JDBC Type -1 Driver is also known as \_\_\_\_\_.
  - 3 Write full form of JMS.
  - 4 Write full form of JNDI.
- (B) Answer in brief (Any one out of two) 2
- 1 Differentiate PreparedStatement and CallableStatement.
  - 2 Write 5 steps to connect java application with any database using JDBC.
- (C) Answer in detail (Any one out of two) 3
- 1 Explain native protocol driver of JDBC.
  - 2 Write short note on web container.
- (D) Write a note on (Any one out of two) 5
- 1 Explain ResultSet interface with example.
  - 2 Write short note on enterprise architecture.
- 2 (A) Answer the following: 4
- 1 RMI stands for \_\_\_\_\_.
  - 2 The life cycle of servlet is managed by \_\_\_\_\_.
  - 3 \_\_\_\_\_ method is used to get value of form parameter.
  - 4 How many objects of a servlet is created?
- (B) Answer in brief (Any one out of two) 2
- 1 Explain getQueryString ().
  - 2 Differentiate GET and POST methods.
- (C) Answer in detail (Any out of two) 3

- 1 Write short note on deployment descriptor.
- 2 Differentiate stub and skeleton.

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

5

- 1 Explain servlet life cycle.
- 2 Write short note on session tracking.

3 (A) Answer the following:

4

- 1 Write full form of JSTL.
- 2 Write full form of JSP EL.
- 3 Write use of jsp:param.
- 4 How we specify comments in JSP?

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

2

- 1 Differentiate include and forward action.
- 2 Differentiate JSP and Servlet.

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

3

- 1 Explain JSP life cycle.
- 2 Write short note on JSP scope.

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

5

- 1 Explain JSP scripting elements with example.
- 2 Explain any two JSP implicit objects with example.

4 (A) Answer the following:

4

- 1 Write full form of MVC.
- 2 Write full form of ORM.
- 3 Write full form of HQL.
- 4 Write full form of EJB.

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

2

- 1 Explain features of hibernate.
- 2 Explain advantages of EJB.

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

3

- 1 Write short note on hibernate configuration.
- 2 Write short note on Session Beans.

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

5

- 1 Explain MVC architecture implementation in java.

2 Write short note on hibernate architecture.

5 (A) Answer the following:

4

- 1 Write full form of POJO.
- 2 Write full form of AOP.
- 3 Write full form of IoC.
- 4 What is strut?

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

2

- 1 How to process a request in struts?
- 2 What is DI?

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

3

- 1 Write advantages of spring framework.
- 2 Write short note on struts configuration file.

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

5

- 1 Write short note on spring boot.
- 2 Explain struts architecture and flow of control.