

B.SC(IT) SEMESTER - 5 (NEP-2020) Examination**Oct/Nov - 2025****Advanced Java and J2EE (Theory) (Major-11)****Time: 2:00 Hours****Marks:50****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

Que.1 Answer the following questions. (Any Two) (10)

- 1) Explain JDBC Architecture.
- 2) Explain J2EE Architecture.
- 3) Explain types of JDBC Driver.
- 4) Explain container.

Que.2 Answer the following question. (Any Two) (10)

- 1) Explain Servlet Life Cycle.
- 2) What is RMI? Explain it's architecture.
- 3) Explain Servlet Request and Response.
- 4) Explain URL Rewriting and Hidden form fields in servlet.

Que.3 Answer the following question. (Any Two) (10)

- 1) Differentiate: JSP V/s Servlet.
- 2) Explain Life Cycle of JSP.
- 3) Explain JSP Action elements.
- 4) Explain Exception Handling in JSP with suitable example.

Que.4 Answer the following questions. (Any Two) (10)

- 1) Explain features of Hibernate.
- 2) Explain spring architecture.
- 3) What is Annotation? Explain it with suitable example.
- 4) Explain Hibernate mapping file.

Que.5 Answer the following question. (Any Two) (10)

- 1) Write a code to display record from MYSQL database table using JDBC
- 2) Explain Servlet API.
- 3) Explain JSP include and page directives.
- 4) Explain Inheritance in hibernate with example.
