

B.C.A 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 Two-Tier architecture.
 - 3) Explain ResultSetMetaData with example.
 - 4) Explain J2EE APIs in brief.
- Que.2 Answer the following questions. (ANY TWO) (10)
- 1) Explain Servlet architecture.
 - 2) Explain Stub and Skeleton.
 - 3) Explain Session tracking approach.
 - 4) Explain Servlet requests and responses.
- Que.3 Answer the following questions. (ANY TWO) (10)
- 1) Explain Lifecycle of JSP.
 - 2) Explain difference between JSP vs. Servlet.
 - 3) Explain working with session in JSP.
 - 4) Explain various Java Beans properties.
- Que.4 Answer the following questions. (ANY TWO) (10)
- 1) Explain MVC architecture.
 - 2) Explain Spring architecture.
 - 3) Explain Hibernate architecture.
 - 4) Explain Hibernate mapping & configuration file.
- Que.5 Answer the following questions. (ANY TWO) (10)
- 1) Explain Three-tier architecture.
 - 2) Explain RMI architecture.
 - 3) Explain working with cookie in JSP.
 - 4) Explain types of EJB.
