

B.C.A Semester - 5 (CBCS) Examination
Oct/Nov - 2025 (NEW COURSE)
Advance Java Programming (J2EE)(Core)

Time: 2:30 Hours**Marks: 70****Instructions:**

1. All questions are compulsory.
 2. Figures to the right indicate marks.
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- Que. 1 (A) Answer the following questions. (03)
- 1) What is J2EE?
 - 2) What is API?
 - 3) What is JDBC?
- Que. 1 (B) Answer the following questions. (ANY TWO) (06)
- 1) Explain Data types in JDBC.
 - 2) Explain Three - Tier Architecture.
 - 3) Explain Processing Queries.
 - 4) Explain ResultSetMetaData.
- Que. 1 (C) Answer the following questions. (ANY ONE) (05)
- 1) Explain JDBC Architecture.
 - 2) Explain JDBC API for Database Connectivity.
- Que. 2 (A) Answer the following questions. (03)
- 1) What is Skeleton?
 - 2) What is Servlet API?
 - 3) What is Stub?
- Que. 2 (B) Answer the following questions. (ANY TWO) (06)
- 1) Explain RMI architecture.
 - 2) Explain developing and executing RMI application.
 - 3) Explain Servlet Collaboration.
 - 4) Explain Servlet request and response.
- Que. 2 (C) Answer the following questions. (ANY ONE) (05)
- 1) Explain Servlet Life cycle.
 - 2) What is Session Tracking Approaches? Explain.
- Que. 3 (A) Answer the following questions. (03)
- 1) List-out JSP scripting elements.
 - 2) What is session?
 - 3) What is cookie
- Que. 3 (B) Answer the following questions. (ANY TWO) (06)
- 1) Explain JDBC with JSP.
 - 2) Explain action elements in JSP.
 - 3) Explain JavaBean methods.
 - 4) Explain directives elements in JSP.
- Que. 3 (C) Answer the following questions (ANY ONE) (05)
- 1) Explain error handling and exception handling with JSP.
 - 2) Explain life cycle of JSP.

- Que. 4 (A) Answer the following questions. (03)
- 1) What is MVC Architecture?
 - 2) What is Entity Beans?
 - 3) What is Session Beans?
- Que. 4 (B) Answer the following questions. (ANY TWO) (06)
- 1) List out types of EJB. Write benefits of EJB.
 - 2) Explain annotation.
 - 3) Explain Hibernate Mapping file.
 - 4) Write Features of hibernate.
- Que. 4 (C) Answer the following questions. (ANY ONE) (05)
- 1) Explain Hibernate Architecture.
 - 2) Explain Message-driven beans.
- Que. 5 (A) Answer the following questions. (03)
- 1) What is AOP?
 - 2) What is Struts?
 - 3) What is IoC in Spring?
- Que. 5 (B) Answer the following questions. (ANY TWO) (06)
- 1) Explain Spring Architecture.
 - 2) Explain Processing Requests with Action Objects.
 - 3) Compare MVC using RequestDispatcher and the EL.
 - 4) Explain prepopulating and redisplaying Input Forms.
- Que. 5 (C) Answer the following questions. (ANY ONE) (05)
- 1) Explain Struts flow of control.
 - 2) Explain Struts framework.
