

B.Sc.(IT) 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) Write down full form of J2EE.
 - 2) Write down full form of JDBC.
 - 3) Write down full form of JSP.
- Que. 1 (B) Answer the following questions. (ANY TWO) (06)
- 1) What is DatabaseMetaData in JDBC?
 - 2) Explain different type of JDBC drivers.
 - 3) Explain JDBC architecture.
 - 4) What is Tomcat? Explain in brief.
- Que. 1 (C) Answer the following questions. (ANY ONE) (05)
- 1) Explain J2EE APIs in brief.
 - 2) Explain 3-tier architecture
- Que. 2 (A) Answer the following questions. (03)
- 1) Write down full form of API.
 - 2) Write down full form of URL.
 - 3) What is Session Tracking?
- Que. 2 (B) Answer the following questions. (ANY TWO) (06)
- 1) Explain Servlet architecture.
 - 2) Explain Servlet request and responses.
 - 3) Explain RMI Application in brief.
 - 4) Explain Servlet Collaboration.
- Que. 2 (C) Answer the following questions. (ANY ONE) (05)
- 1) Explain Servlet with JDBC.
 - 2) Explain Stub and Skeleton.
- Que. 3 (A) Answer the following questions (03)
- 1) Write down full form of JSP.
 - 2) What is Java Bean?
 - 3) Write down full form of XML
- Que. 3 (B) Answer the following questions (ANY TWO) (06)
- 1) Difference between JSP and Servlet.
 - 2) Explain Error Handling and Exception Handling with JSP.
 - 3) Explain working with Cookies in JSP.
 - 4) Explain JavaBean properties
- Que. 3 (C) Answer the following questions (ANY ONE) (05)
- 1) Explain Lifecycle of JSP.
 - 2) Explain working with Session in JSP.

- Que. 4 (A) Answer the following questions. (03)
- 1) Write down full form of MVC.
 - 2) Write down full form of EJB.
 - 3) What is Hibernate?
- Que. 4 (B) Answer the following questions. (ANY TWO) (06)
- 1) Explain EJB types.
 - 2) Explain Hibernate sessions.
 - 3) Explain Hibernate configuration file.
 - 4) Explain Inheritance Annotations.
- Que. 4 (C) Answer the following questions. (ANY ONE) (05)
- 1) Explain implementation of MVC architecture.
 - 2) Explain Hibernate Architecture.
- Que. 5 (A) Answer the following questions. (03)
- 1) Write down full form of IoC.
 - 2) Write down full form of AOP.
 - 3) Write down full form of EL.
- Que. 5 (B) Answer the following questions. (ANY TWO) (06)
- 1) Explain Struts Flow of Control.
 - 2) Explain Spring MVC.
 - 3) Explain advantages of Struts framework.
 - 4) Explain Prepopulating and Redisplaying Input Forms.
- Que. 5 (C) Answer the following questions. (ANY ONE) (05)
- 1) Explain Spring Architecture.
 - 2) Explain handling request parameters with FormBeans in Struts.
