

B.Sc.(IT) Semester - 5 (Remedial) (CBCS) Examination**March/April-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) J2EE stands for _____.
 - 2) EJB stands for _____.
 - 3) JDBC stands for _____.
- Que-1(B) Answer the following questions. (ANY TWO) (06)
- 1) Explain types of JDBC drivers.
 - 2) Explain 3-Tier architecture.
 - 3) Explain various J2EE APIs in brief.
 - 4) Explain data types in JDBC.
- Que-1(C) Answer the following questions. (ANY ONE) (05)
- 1) Explain ResultSetMetaData.
 - 2) Explain JDBC architecture.
- Que-2(A) Answer the following questions. (03)
- 1) To define remote interface in RMI, we should extend _____ class.
 - 2) What is servlet?
 - 3) What is servlet collaboration?
- Que-2(B) Answer the following questions. (ANY TWO) (06)
- 1) Explain Servlet Life cycle.
 - 2) Explain RMI architecture.
 - 3) Explain Stub of RMI.
 - 4) Explain Session Tracking Approaches.
- Que-2(C) Answer the following questions. (ANY ONE) (05)
- 1) Explain Architecture of a Servlet.
 - 2) Explain Skeleton of RMI.
- Que-3(A) Answer the following questions. (03)
- 1) What is Java Bean used for?
 - 2) What is Java Bean?
 - 3) What is scope in JSP?
- Que-3(B) Answer the following questions. (ANY TWO) (06)
- 1) Explain working with Session in JSP.
 - 2) Explain working with Cookies in JSP.
 - 3) Explain JavaBean properties.
 - 4) Explain JavaBean methods.

- Que-3(C) Answer the following questions. (ANY ONE) (05)
- 1) Explain JDBC with JSP.
 - 2) Explain life cycle of JSP.
- Que-4(A) Answer the following questions. (03)
- 1) Define MVC.
 - 2) Define Session Beans.
 - 3) Define Entity Beans.
- Que-4(B) Answer the following questions. (ANY TWO) (06)
- 1) Explain Implementation of MVC Architecture.
 - 2) Explain Hibernate Configuration file & mapping file.
 - 3) What is annotation? Explain it.
 - 4) Explain message driven beans.
- Que-4(C) Answer the following questions. (ANY ONE) (05)
- 1) Explain Hibernate Architecture.
 - 2) Explain Hibernate Sessions.
- Que-5(A) Answer the following questions. (03)
- 1) What are the components of Struts Framework?
 - 2) What is Struts?
 - 3) What is AOP in spring framework?
- Que-5(B) Answer the following questions. (ANY TWO) (06)
- 1) Explain Struts framework flow of control.
 - 2) Explain advantages of Struts framework.
 - 3) Explain IoC in Spring framework.
 - 4) Explain Handling Request Parameters with FormBeans
- Que-5(C) Answer the following questions. (ANY ONE) (05)
- 1) Explain Processing Requests with Action Objects.
 - 2) Explain Spring Architecture.
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