

B.Sc.(IT) Semester - 5 (Remedial) (CBCS) Examination**March/April-2026 (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 EJB?
 2. What is JDBC?
 3. What is API?
- Que.1(B) Answer the following questions (ANY TWO) (06)
1. What is Callable Statement? Explain it.
 2. Explain JDBC architecture.
 3. Explain different types of JDBC drivers.
 4. Explain Tomcat as a Web Container.
- Que.1(C) Answer the following questions (ANY ONE) (05)
1. Explain N-Tier architecture.
 2. Explain various J2EE APIs in brief.
- Que.2(A) Answer the following questions (03)
1. What is URL Rewriting?
 2. What is Hidden Form Fields?
 3. What is Cookies?
- Que.2(B) Answer the following questions (ANY TWO) (06)
1. Explain Developing and Executing RMI application.
 2. Explain architecture of a Servlet.
 3. Explain handling Servlet requests and responses.
 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. What is scope in JSP?
 2. What is Java Bean?
 3. What is JSP?
- Que.3(B) Answer the following questions (ANY TWO) (06)
1. Explain life cycle of JSP.
 2. Explain working with Cookies in JSP.
 3. Explain Error Handling and Exception Handling with JSP.
 4. Explain JSP Implicit Objects.
- Que.3(C) Answer the following questions (ANY ONE) (05)
1. Explain working with Session in JSP.
 2. Explain JSP Elements.
- Que.4(A) Answer the following questions (03)
1. What is MVC?
 2. What is EJB?
 3. What is Hibernate?

- Que.4(B) Answer the following questions (ANY TWO) (06)
1. Explain Hibernate architecture.
 2. Explain Hibernate Sessions.
 3. Explain Inheritance Annotations.
 4. Explain message driven beans.
- Que.4(C) Answer the following questions (ANY ONE) (05)
1. Explain implementation of MVC architecture.
 2. Explain types of EJB. Write benefits of EJB.
- Que.5(A) Answer the following questions (03)
1. What is AOP?
 2. What is IOC?
 3. What is spring framework?
- Que.5(B) Answer the following questions (ANY TWO) (06)
1. Explain Processing Requests with Action Objects.
 2. Explain advantages of Struts framework.
 3. Explain Prepopulating and Redisplaying Input Forms.
 4. Explain Handling Request Parameters with FormBeans.
- Que.5(C) Answer the following questions (ANY ONE) (05)
1. Explain Spring Architecture.
 2. Explain Struts framework flow of control.
