

B.C.A 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.

-
- Que.1(A) Attempt following questions. (03)
1. JDBC stands for _____.
 2. EJB stands for _____.
 3. JNDI stands for _____.
- Que.1(B) Attempt following. (Attempt any two) (06)
1. Explain Three-Tier Architecture in brief.
 2. What is Container? Explain tomcat as a Web Container in brief.
 3. Explain data types of JDBC.
 4. Write short note on Database Meta Data.
- Que.1(C) Attempt following. (Attempt any one) (05)
1. Explain JDBC Architecture in detail.
 2. Explain various J2EE APIs in detail.
- Que.2(A) Attempt following questions. (03)
1. RMI stands for _____.
 2. What is Servlet?
 3. What is Stub?
- Que.2(B) Attempt following. (Attempt any two) (06)
1. Explain Skeleton class of RMI.
 2. Explain Architecture of a Servlet in detail.
 3. Explain HttpSession in detail.
 4. Explain Servlet with JDBC in detail.
- Que.2(C) Attempt following.(Attempt any one) (05)
1. Explain RMI Architecture in detail.
 2. Explain Servlet Life Cycle in detail.
- Que.3(A) Attempt following questions. (03)
1. JSP stands for _____.
 2. What is JavaBean?
 3. Which tag in the JSP is used to define the error page?
- Que.3(B) Attempt following. (Attempt any two) (06)
1. Differentiate JSP V/S Servlet.
 2. Explain JSP Scripting Elements.
 3. Explain JSP Architecture in detail.
 4. Write note on Scope of JSP.
- Que.3(C) Attempt following.(Attempt any one) (05)
1. Explain Life Cycle of JSP in detail.
 2. Explain working with session in JSP.
- Que.4(A) Attempt following questions. (03)
1. MVC stands for _____.
 2. What is Session Bean?
 3. ORM stands for _____.

- Que.4(B) Attempt following. (Attempt any two) (06)
1. Explain features of Hibernate.
 2. Explain Message driven bean.
 3. What is Annotation? Explain in detail.
 4. Explain Hibernate Inheritance in detail.
- Que.4(C) Attempt following.(Attempt any one) (05)
1. Explain Implementation of MVC architecture.
 2. Explain Hibernate Session in detail.
- Que.5(A) Attempt following questions. (03)
1. Who developed the Spring Framework?
 2. AOP stands for _____.
 3. _____ file is used by controller to get mapping information for request routing.
- Que.5(B) Attempt following. (Attempt any two) (06)
1. Explain Inversion of Control in Spring Framework.
 2. Explain Spring Context definition in brief.
 3. Explain benefits of Spring Framework.
 4. Explain Struts Flow of Control in detail.
- Que.5(C) Attempt following.(Attempt any one) (05)
1. Explain Spring Architecture in detail.
 2. Explain processing Request with Action Object in detail.
