

B.C.A 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) Attempt following questions. (03)
- (1) ODBC stands for _____
 - (2) JDBC stands for _____
 - (3) JSF stands for _____
- Que-1(B) Attempt following. (Attempt Any Two) (06)
- (1) Explain commit and rollback method of connection interface.
 - (2) Explain JDBC architecture.
 - (3) What is Container? Explain types of J2EE Containers.
 - (4) Explain Result Set methods.
- Que-1(C) Attempt following. (Attempt Any One) (05)
- (1) Explain N-Tier architecture.
 - (2) Explain various J2EE APIs.
- Que-2(A) Attempt following questions. (03)
- (1) skeleton is server side object (True/False).
 - (2) RMI stands for _____.
 - (3) Stub is client side object (TRUE/False).
- Que-2(B) Attempt following. (Attempt Any Two) (06)
- (1) Explain HttpSession.
 - (2) Explain the role of Unicast Remote Object class in RMI.
 - (3) Explain Servlet Life cycle.
 - (4) Explain Servlet request and response.
- Que-2(C) Attempt following. (Attempt Any One) (05)
- (1) Explain Architecture of a Servlet.
 - (2) Explain concept of Cookie Class in Servlet.
- Que-3(A) Attempt following questions. (03)
- (1) JSP stands for _____
 - (2) J2EE stands for _____
 - (3) `<%=x%>` this statement print value of x variable (True / False).
- Que-3(B) Attempt following. (Attempt any two) (06)
- (1) How does servlet filter work?
 - (2) Explain action element in JSP.
 - (3) Explain scope of JSP.
 - (4) Explain JSP life cycle.
- Que-3(C) Attempt following. (Attempt any one) (05)
- (1) Explain error handling in JSP.
 - (2) Explain working with session in JSP.

- Que-4(A) Attempt following questions. (03)
- (1) ORM stands for _____.
 - (2) EJB stands for _____.
 - (3) MDB stands for _____.
- Que-4(B) Attempt following. (Attempt any two) (06)
- (1) Explain role of model in MVC design pattern.
 - (2) What is automation? Explain it.
 - (3) What is ORM? Explain it.
 - (4) Explain MVC architecture.
- Que-4(C) Attempt following. (Attempt any one) (05)
- (1) Explain Implementation of MVC architecture.
 - (2) Explain Hibernate Architecture.
- Que-5(A) Attempt following questions. (03)
- (1) IOC stands for _____
 - (2) AOP stands for _____
 - (3) MVC stands for _____
- Que-5(B) Attempt following. (Attempt any two) (06)
- (1) Explain processing request with action object.
 - (2) Explain spring framework.
 - (3) Explain inversion of control in spring framework.
 - (4) Explain struts flow of control.
- Que-5(C) Attempt following. (Attempt any one) (05)
- (1) Explain advantages of struts framework.
 - (2) Explain Spring architecture.
