

B.C.A Semester – 5 (CBCS) Examination**July-2025 (Old Course)****CS-25 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 | (04) |
| | (1) What is JSP? | |
| | (2) What is EJB? | |
| | (3) What is JDBC? | |
| | (4) What is J2EE? | |
| Que-1(B) | Answer the following questions (ANY ONE) | (02) |
| | (1) Explain JDBC data types. | |
| | (2) What is Web Container? Explain tomcat as web container. | |
| Que-1(C) | Answer the following questions (ANY ONE) | (03) |
| | (1) Briefly explain all types of JDBC drivers. | |
| | (2) Explain JDBC API for database connectivity. | |
| Que-1(D) | Answer the following questions (ANY ONE) | (05) |
| | (1) Explain JDBC architecture. | |
| | (2) Explain N-tier architecture. | |
| Que-2(A) | Answer the following questions | (04) |
| | (1) An object on another computer's JVM is known as _____. | |
| | (2) What is Skeleton? | |
| | (3) What is Stub? | |
| | (4) RMI stands for _____. | |
| Que-2(B) | Answer the following questions (ANY ONE) | (02) |
| | (1) Explain RMI. | |
| | (2) What is session tracking? | |
| Que-2(C) | Answer the following questions (ANY ONE) | (03) |
| | (1) Explain Servlet with JDBC. | |
| | (2) Explain how to Develop and Deploy Servlet. | |
| Que-2(D) | Answer the following questions (ANY ONE) | (05) |
| | (1) Explain RMI architecture. | |
| | (2) Explain Servlet Life cycle. | |
| Que-3(A) | Answer the following questions. | (04) |
| | (1) Explain page. | |
| | (2) Full form of JSP. | |
| | (3) Explain Scriptlet. | |
| | (4) Explain Expression. | |
| Que-3(B) | Answer the following questions. (ANY ONE) | (02) |
| | (1) Explain Include action. | |
| | (2) Explain JSP Scope. | |

- Que-3(C) Answer the following questions. (ANY ONE) (03)
(1) Explain Forward action.
(2) Explain Session in JSP.
- Que-3(D) Answer the following questions. (ANY ONE) (05)
(1) Explain JSP Architecture.
(2) Explain JSP Elements.
- Que-4(A) Answer the following questions. (04)
(1) Full form of MVC.
(2) What is timer service?
(3) What is Annotation?
(4) Full form of EJB.
- Que-4(B) Answer the following questions. (ANY ONE) (02)
(1) Explain Entity bean.
(2) Explain Session bean.
- Que-4(C) Answer the following questions. (ANY ONE) (03)
(1) Explain need of hibernate.
(2) Explain advantages of EJB.
- Que-4(D) Answer the following questions. (ANY ONE) (05)
(1) Explain Hibernate Architecture.
(2) Explain MVC Architecture.
- Que-5(A) Answer the following questions. (04)
(1) Full form of AOP.
(2) Full form of IoC.
(3) Definition of spring.
(4) Definition of Struts.
- Que-5(B) Answer the following questions (ANY ONE) (02)
(1) What is Spring Framework definition?
(2) What is Inversion of Control in Spring framework?
- Que-5(C) Answer the following questions (ANY ONE) (03)
(1) Explain benefits of Spring framework.
(2) Explain Spring Context definition.
- Que-5(D) Answer the following questions (ANY ONE) (05)
(1) Explain Spring Architecture.
(2) Explain Struts flow of control.
