

B.C.A Semester - 5 (CBCS) Examination**Oct/Nov. - 2022(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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| Q-1 | (a) | Answer the following questions | [4] |
| | | <ol style="list-style-type: none">1. Full form of JMS2. Definition of Servlet.3. Full form of JEE.4. Full form of JSF. | |
| | (b) | Answer the following questions (ANY ONE) | [2] |
| | | <ol style="list-style-type: none">1. Explain Containers.2. Explain Data types in JDBC. | |
| | (c) | Answer the following questions (ANY ONE) | [3] |
| | | <ol style="list-style-type: none">1. Explain Two-Tier Architecture.2. Explain Database Exception Handling. | |
| | (d) | Answer the following questions (ANY ONE) | [5] |
| | | <ol style="list-style-type: none">1. Explain JDBC Architecture.2. Discuss Types of JDBC Drivers. | |
| Q-2 | (a) | Answer the following questions | [4] |
| | | <ol style="list-style-type: none">1. What is stub?2. Full form of RMI3. Full form of API4. What is skeleton? | |
| | (b) | Answer the following questions (ANY ONE) | [2] |
| | | <ol style="list-style-type: none">1. What is Hidden form field?2. Explain Servlet request. | |
| | (c) | Answer the following questions (ANY ONE) | [3] |
| | | <ol style="list-style-type: none">1. Explain Cookies with example2. Explain Javax.servlet. | |
| | (d) | Answer the following questions (ANY ONE) | [5] |
| | | <ol style="list-style-type: none">1. Explain Session API with example.2. Explain Servlet Life Cycle. | |
| Q-3 | (a) | Answer the following questions | [4] |
| | | <ol style="list-style-type: none">1. Full form of JSP.2. List Directive Elements.3. List Action Elements.4. What is JSP Scope. | |
| | (b) | Answer the following questions (ANY ONE) | [2] |
| | | <ol style="list-style-type: none">1. Explain JSP Include Action.2. Explain JSP Forward Action. | |

- (c) Answer the following questions (ANY ONE) [3]
 1. Explain Error handling in JSP.
 2. Explain JSP Implicit Objects.
- (d) Answer the following questions (ANY ONE) [5]
 1. Explain JSP Life Cycle.
 2. Write Difference between JSP vs Servlet.
- Q-4 (a) Answer the following questions [4]
 1. Full form of MVC.
 2. Full form of EJB.
 3. What is Timer Service?
 4. What is Entity?
- (b) Answer the following questions (ANY ONE) [2]
 1. Explain Session Beans.
 2. Explain Annotation.
- (c) Answer the following questions (ANY ONE) [3]
 1. Explain Hibernate Session.
 2. Explain Types of EJB.
- (d) Answer the following questions (ANY ONE) [5]
 1. Write Benefits & Restrictions of EJB.
 2. Explain MVC Architecture.
- Q-5 (a) Answer the following questions [4]
 1. Full form of IoC.
 2. What is input forms?
 3. Full form of AOP.
 4. Full form of EL.
- (b) Answer the following questions (ANY ONE) [2]
 1. Explain Action Objects.
 2. Explain spring framework.
- (c) Answer the following questions (ANY ONE) [3]
 1. Explain Context Definition in spring.
 2. Explain RequestDispatcher.
- (d) Answer the following questions (ANY ONE) [5]
 1. Explain Spring Architecture.
 2. Explain Struts Flow Control.
