

B.C.A Semester - 5 (CBCS) Examination**December - 2020 (Old Course)****CS-25 ADVANCE JAVA PROGRAMMING (J2EE)(CORE)****Time: 1:30 Hours****Marks: 42****Instructions:**

1. Figures to the right indicate marks.
2. There are five questions in the question paper.
3. Answer any three of the following questions.

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- Q.1(A) Attempt the following. (04)
1. J2EE Stands for ____.
 2. JTA Stands for ____.
 3. JMS Stands for ____.
 4. JNDI Stands for ____.
- Q.1(B) Attempt the following. (any one) (02)
1. Explain: executeQuery()
 2. What is JDBC?
- Q.1(C) Attempt the following. (any one) (03)
1. Explain J2EE Architecture.
 2. Explain meta data.
- Q.1(D) Attempt the following. (any one) (05)
1. Explain prepared Statement with suitable example.
 2. Explain Callable statement with suitable example.
- Q.2(A) Attempt the following. (04)
1. RMI Stands for ____.
 2. To define remote interface in RMI, we should extend ____ class.
 3. Skeleton is proxy of ____.
 4. What is the role of Servlet's web.xml file?
- Q.2(B) Attempt the following. (any one) (02)
1. Explain: lookup() and bind().
 2. Explain Servlet interface.
- Q.2(C) Attempt the following (any one) (03)
1. Explain life cycle of servlet.
 2. Explain servlet collaboration with suitable example.
- Q.2(D) Attempt the following. (any one) (05)
1. What is session in servlet? Explain it with suitable example.
 2. Explain RMI architecture.
- Q.3(A) Attempt the following. (04)
1. What is java bean?
 2. List out jsp scopes.
 3. `<%=.....%>` this JSP notation used for ____
 4. `<%@.....%>` this JSP notation is ____
- Q.3(B) Attempt the following. (any one) (02)
1. Explain `<jsp:include>` element.
 2. Explain `<jsp:forward>` element.
- Q.3(C) Attempt the following. (any one) (03)
1. Explain JSP architecture.
 2. Explain java bean with its method.
- Q.3(D) Attempt the following. (any one) (05)
1. Explain error handling in jsp with example.
 2. Explain Cookie in jsp with example.
- Q.4(A) Attempt the following. (04)
1. ORM stands for ____
 2. EJB stands for ____

3. _____ invented hibernate framework?
 4. MVC stands for _____
- Q.4(B) Attempt the following. (any one) (02)
1. What is message driven bean?
 2. What is session bean?
- Q.4(C) Attempt the following. (any one) (03)
1. Explain hibernate configuration file.
 2. Explain MVC.
- Q.4(D) Attempt the following. (any one) (05)
1. Explain hibernate architecture.
 2. Explain inheritance annotations in hibernate.
- Q.5(A) Attempt the following. (04)
1. AOP stands for _____
 2. IOC stands for _____
 3. OXM stands for _____
 4. EL stands for _____
- Q.5(B) Attempt the following. (any one) (02)
1. Explain Spring framework.
 2. Explain Strut framework.
- Q.5 (C) Attempt the following. (any one) (03)
1. Explain IOC in spring framework.
 2. Explain struts flow of control.
- Q.5(D) Attempt the following. (any one) (05)
1. Explain benefits of Spring framework.
 2. Explain Advantages of struts framework.
