

B.C.A Semester - 5 (Remedial) (CBCS) Examination**March/April-2023 (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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- Q.1(A) Answer the Following questions. (03)
1. JDBC Stands for _____
 2. JNDI Stands for _____
 3. JMS Stands for _____
- Q.1(B) Answer the following questions. (Any Two) (06)
1. Explain Prepared Statement.
 2. What is callable statement? Explain it.
 3. Explain result set meta data with suitable example.
 4. Explain database meta data with suitable example.
- Q.1(C) Answer the following question. (Any One) (05)
1. Explain types of driver.
 2. Write a jdbc program to accept Emp_no , Emp_Name and Emp_City from user and insert into Employee table.
- Q.2(A) Answer the following questions. (03)
1. RMIC stands for _____
 2. _____ is a proxy of Client in RMI.
 3. _____ is a proxy of server in RMI.
- Q.2(B) Answer the following questions. (Any Two) (06)
1. Explain Transport layer and RRL in RMI.
 2. Explain tomcat as a web container.
 3. Explain Http Session.
 4. Explain Life cycle of Servlet.
- Q.2(C) Answer The following question. (Any One) (05)
1. Explain servlet with JDBC.
 2. Explain HttpServlet Request and HttpServletResponse.
- Q.3(A) Answer the following questions. (03)
1. JSP Stands for _____
 2. List out jsp scripting element.
 3. List out jsp directive element.
- Q.3(B) Answer the following questions. (Any two) (06)
1. What is Java bean? Explain its properties.
 2. Explain page directive in jsp.
 3. Explain JSP architecture.
 4. Explain scope of JSP.
- Q.3(C) Answer the following question. (Any One) (05)
1. Explain Cookie in jsp.
 2. Explain error handling in jsp.

- Q.4(A) Answer the following questions. (03)
1. _____ invented hibernate framework.
 2. What is controller?
 3. What is EJB?
- Q.4(B) Answer the following questions. (Any Two) (06)
1. What is ORM? Explain it.
 2. What is timer service in EJB? Explain it.
 3. Explain session in EJB.
 4. Explain MVC.
- Q.4(C) Answer the following question. (Any One) (05)
1. Explain Hibernate Architecture in detail.
 2. Explain annotation in hibernate.
- Q.5(A) Answer the following questions. (03)
1. IOC stands for _____
 2. AOP Stands for _____
 3. OXM Stands for _____
- Q.5(B) Answer the following questions. (Any Two) (06)
1. What is Strut? Explain it.
 2. Explain IOC in spring framework.
 3. Explain advantage of spring framework.
 4. Explain Spring framework.
- Q.5(C) Answer the following question. (Any One) (05)
1. Explain advantages of strut framework.
 2. Explain Spring architecture.
