

B.Sc.(IT) 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. JSF Stands for _____
 2. JSP Stands for _____
 3. Full form of EJB.
- Q.1(B) Answer the following questions. (Any Two) (06)
1. What is Prepared Statement? Explain it.
 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 Prod_No , Prod_Name and Prod_Qty from user and store into product table.
- Q.2(A) Answer the following questions. (03)
1. Full form of API.
 2. What is stub?
 3. What is skeleton?
- Q.2(B) Answer the following question. (Any Two) (06)
1. Explain Application layer and RRL in RMI.
 2. Explain tomcat.
 3. Explain Http Session.
 4. Explain Life cycle of Servlet.
- Q.2(C) Answer The following question. (Any One) (05)
1. Explain: Session Tracking Approaches.
 2. Explain HttpServlet Request and HttpServletResponse.
- Q.3(A) Answer The following questions. (03)
1. JSP Stands for _____
 2. List out jsp action 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 and Session in JSP.
 2. Explain Error handling and Exception Handling in JSP.

- Q.4(A) Answer the following questions. (03)
1. Who invented hibernate?
 2. What is view?
 3. What is CMP?
- 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 inheritance 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: Struts flow of control.
 4. Explain Spring framework.
- Q.5(C) Answer the following question. (Any One) (05)
1. Explain advantages of strut framework.
 2. Explain Spring architecture.
