

B.C.A Semester - 5 (CBCS) Examination
Oct/Nov - 2024 (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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- Que-1(A) Answer the following questions (03)**
(1) JSP stands for _____.
(2) JMS stands for _____.
(3) EJB stands for _____.
- Que-1(B) Answer the following questions (Any Two) (06)**
(1) What is Container? Explain Tomcat as a Web Container.
(2) Explain JDBC API for Database Connectivity.
(3) Explain DatabaseMetaData.
(4) Explain CallableStatement with example.
- Que-1(C) Answer the following questions (Any One) (05)**
(1) Explain types of JDBC drivers
(2) Explain 3-Tier architecture.
- Que-2(A) Answer the following questions (03)**
(1) What is Servlet API?
(2) What is servlet collaboration?
(3) What is RMI?
- Que-2(B) Answer the following questions (Any Two) (06)**
(1) Explain handling Servlet Request.
(2) What is Session Tracking Approaches? Explain it.
(3) Explain Architecture of a Servlet.
(4) What is Stub & Skeleton of RMI? Explain briefly.
- Que-2(C) Answer the following questions (Any One) (05)**
(1) Explain Servlet Life cycle.
(2) Explain RMI architecture.
- Que-3(A) Answer the following questions (03)**
(1) What is Java Bean used for?
(2) What is JSP?
(3) List-out JSP scripting elements.
- Que-3(B) Answer the following questions (Any Two) (06)**
(1) Explain working with Cookies in JSP.
(2) Explain working with Session in JSP.
(3) Explain JavaBean properties.
(4) Explain page directive in JSP.

- Que-3(C) Answer the following questions (Any One) (05)**
(1) Explain life cycle of JSP.
(2) Explain JDBC with JSP.
- Que-4(A) Answer the following questions (03)**
(1) What is Session Beans?
(2) What is Define Entity Beans?
(3) Define EJB.
- Que-4(B) Answer the following questions (Any Two) (06)**
(1) What is annotation? Explain it.
(2) Explain message driven beans.
(3) Write Features of hibernate.
(4) Explain Hibernate Mapping file.
- Que-4(C) Answer the following questions (Any One) (05)**
(1) Explain Implementation of MVC Architecture.
(2) Explain Hibernate Architecture
- Que-5(A) Answer the following questions (03)**
(1) What is Spring Framework?
(2) What is Struts?
(3) What is AOP in spring?
- Que-5(B) Answer the following questions (Any Two) (06)**
(1) Explain Processing Requests with Action Objects.
(2) Explain advantages of Struts framework.
(3) Explain IoC in Spring framework.
(4) Explain Handling Request Parameters with FormBeans
- Que-5(C) Answer the following questions (Any One) (05)**
(1) Explain Spring Architecture.
(2) Explain Struts framework flow of control.
