

B.C.A Semester - 5 (CBCS) Examination**Oct/Nov.- 2024 (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.

-
- Que. 1(A) Answer the following questions. (04)
1. JSP stands for _____.
 2. J2EE stands for _____.
 3. ODBC stands for _____.
 4. JDBC stands for _____.
- Que. 1(B) Answer the following questions. (ANY ONE) (02)
1. What is Container?
 2. Which is JDBC API for Database Connectivity?
- Que. 1(C) Answer the following questions. (ANY ONE) (03)
1. Explain Data types in JDBC.
 2. Explain various J2EE APIs in brief.
- Que. 1(D) Answer the following questions. (ANY ONE) (05)
1. Explain ResultSetMetaData.
 2. Explain JDBC architecture.
- Que. 2(A) Answer the following questions. (04)
1. What is Stub?
 2. To define remote interface in RMI, we should extend _____ class.
 3. What is Servlet?
 4. What is Skeleton?
- Que. 2(B) Answer the following questions. (ANY ONE) (02)
1. What is RMI?
 2. What is HttpSession?
- Que. 2(C) Answer the following questions. (ANY ONE) (03)
1. Explain Architecture of a Servlet.
 2. Explain Servlet Request with Example.
- Que. 2(D) Answer the following questions. (ANY ONE) (05)
1. Explain Servlet Life cycle.
 2. Explain Session Tracking Approaches.
- Que. 3(A) Answer the following questions. (04)
1. What is scope in JSP?
 2. What is Action Elements?
 3. List-out JSP scripting elements.
 4. What is Java Bean?
- Que. 3(B) Answer the following questions. (ANY ONE) (02)
1. What is Include Action?
 2. What is Forward Action?

- Que. 3(C) Answer the following questions. (ANY ONE) (03)
1. Explain working with Session in JSP.
 2. Explain working with Cookies in JSP.
- Que. 3(D) Answer the following questions. (ANY ONE) (05)
1. Explain life cycle of JSP.
 2. Explain page directive in JSP.
- Que. 4(A) Answer the following questions. (04)
1. What is MVC?
 2. What is Timer Service?
 3. Define Session Beans.
 4. Define Entity Beans.
- Que. 4(B) Answer the following questions. (ANY ONE) (02)
1. What is Hibernate Configuration File?
 2. What is Session EJB?
- Que. 4(C) Answer the following questions. (ANY ONE) (03)
1. Explain Hibernate Configuration File & Mapping File.
 2. Explain Message Driven Beans.
- Que. 4(D) Answer the following questions. (ANY ONE) (05)
1. What is Annotation? Explain it.
 2. Discuss implementation of MVC in Web Application.
- Que. 5 (A) Answer the following questions. (04)
1. What is RequestDispatcher?
 2. Is Struts is ORM based Framework? YES or NO
 3. What is AOP in spring Framework?
 4. What are the components of Struts Framework?
- Que. 5 (B) Answer the following questions. (ANY ONE) (02)
1. What is Request Parameters with FormBeans?
 2. What is IoC in Spring Framework?
- Que. 5 (C) Answer the following questions. (ANY ONE) (03)
1. Explain Struts framework flow of control.
 2. Explain advantages of Struts Framework.
- Que. 5 (D) Answer the following questions. (ANY ONE) (05)
1. Explain Spring Architecture.
 2. Explain Processing Requests with Action Objects.
