

B.C.A Semester - 5 (Remedial) (CBCS) Examination
March/April-2022(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. What is JSP? 2. What is EJB? 3. What is JDBC? 4. What is J2EE?	
Que-1(B)	Answer the following questions (ANY ONE)	02
	1. List and briefly explain JDBC data types. 2. What is Web Container? Explain it.	
Que-1(C)	Answer the following questions (ANY ONE)	03
	1. Briefly explain different types of JDBC drivers. 2. Explain JDBC API for database connectivity.	
Que-1(D)	Answer the following questions (ANY ONE)	05
	1. Explain JDBC architecture. 2. Explain N-tier architecture.	
Que-2(A)	Answer the following questions	04
	1. An object on another computer's JVM is known as _____. 2. What is Stub? 3. What is Skeleton? 4. What is servlet?	
Que-2(B)	Answer the following questions (ANY ONE)	02
	1. Explain RMI. 2. What is session tracking?	
Que-2(C)	Answer the following questions (ANY ONE)	03
	1. Explain Servlet with JDBC. 2. Explain how to Develop and Deploy Servlet.	
Que-2(D)	Answer the following questions (ANY ONE)	05
	1. Write a Servlet that sets visitor counter using Session. Counter will be increased each time page is refreshed. 2. Explain Servlet Life cycle.	
Que-3(A)	Answer the following questions	04
	1. List-out JSP scripting elements. 2. What is forward Action? 3. What is Exception handling? 4. What is Java Bean?	
Que-3(B)	Answer the following questions (ANY ONE)	02
	1. Explain JSP scopes. 2. Explain include Action.	
Que-3(C)	Answer the following questions (ANY ONE)	03
	1. Explain JSP architecture. 2. What is Cookies? How to work with cookies in JSP?	
Que-3(D)	Answer the following questions (ANY ONE)	05
	1. Explain working with Session in JSP. 2. Explain JSP life cycle.	

Que-4(A)	Answer the following questions	04
	1. List-out types of EJB. 2. _____ invented Hibernate framework. 3. What is MVC? 4. What is ORM?	
Que-4(B)	Answer the following questions (ANY ONE)	02
	1. What is EJB? 2. Explain why Hibernate is needed?	
Que-4(C)	Answer the following questions (ANY ONE)	03
	1. Explain Session beans. 2. Explain message driven beans.	
Que-4(D)	Answer the following questions (ANY ONE)	05
	1. What is annotation? Explain in detail. 2. Write down the features of Hibernate.	
Que-5(A)	Answer the following questions	04
	1. _____ file is used by controller to get mapping information for request routing. 2. What are the components of Struts Framework? 3. What is IOC in Spring? 4. Is Struts is ORM based framework? YES or NO	
Que-5(B)	Answer the following questions (ANY ONE)	02
	1. What is Spring Framework definition? 2. What is Inversion of Control in Spring framework	
Que-5(C)	Answer the following questions (ANY ONE)	03
	1. Explain benefits of Spring framework. 2. Explain Spring Context definition.	
Que-5(D)	Answer the following questions (ANY ONE)	05
	1. Explain Spring Architecture. 2. Explain Struts flow of control.	
