

B.C.A Semester - 5 (CBCS) Examination
Oct/Nov - 2022 (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.

Q-1	(a)	Answer the following questions	[3]
		1. Full form of J2EE.	
		2. Full form of JDBC.	
		3. List Various Architecture type.	
	(b)	Answer the following questions (ANY TWO)	[6]
		1. Explain Data types in JDBC.	
		2. What are containers? Explain in brief.	
		3. Explain Database Exception Handling.	
		4. Explain ResultMetaData	
	(c)	Answer the following questions (ANY ONE)	[5]
		1. Write note on JDBC Architecture.	
		2. Explain Database Exception Handling.	
Q-2	(a)	Answer the following questions	[3]
		1. Full form of API.	
		2. What is Hidden Form Field?	
		3. Write Definition Stub.	
	(b)	Answer the following questions (ANY TWO)	[6]
		1. What is servlet Collaboration?	
		2. Explain RMI Architecture.	
		3. Explain URL Rewriting.	
		4. Explain handling of Servlet Requests and Responses	
	(c)	Answer the following questions (ANY ONE)	[5]
		1. Explain Servlet Life Cycle.	
		2. Explain Servlet Architecture.	
Q-3	(a)	Answer the following questions	[3]
		1. Full form of JSP.	
		2. Lis out Scripting Elements.	
		3. Explain JSP:param.	
	(b)	Answer the following questions (ANY TWO)	[6]
		1. Explain Directives elements.	
		2. Explain JSP:include & JSP:Forward.	
		3. Explain JSP Implicit Objects.	
		4. Explain JSP:Plugin.	
	(c)	Answer the following questions (ANY ONE)	[5]
		1. Explain JSP Architecture in detail.	
		2. Explain Session with example.	

- Q-4 (a) Answer the following questions [3]
1. Full form of MVC.
2. Full form of EJB
3. What is Entity?
- (b) Answer the following questions (ANY TWO) [6]
1. Explain Session Bean.
2. Explain Hibernate Mapping file.
3. Explain Hibernate Session.
4. Explain Disadvantage of hibernate.
- (c) Answer the following questions (ANY ONE) [5]
1. Explain MVC Architecture.
2. Explain Types of EJB and Benefits of EJB.
- Q-5 (a) Answer the following questions [3]
1. Full form of AOP.
2. Definition of struts framework.
3. Full form of IoC.
- (b) Answer the following questions (ANY TWO) [6]
1. Explain Struts Framework.
2. What are the benefits of spring framework?
3. Explain Spring Context.
4. Explain AOP in detail.
- (c) Answer the following questions (ANY ONE) [5]
1. Difference Between spring and Strut.
2. Explain Struts flow control.
