7/5/2025 MCA SEM-I Advanced Java (NEP 2020)   QP CODE: 81399

(2 Hours)   **Total Marks: 50**

Note:
- **Question number Q1 is compulsory**
- **Attempt any two questions out of Q2 to Q5**

			Marks	Course Outcome CO	Bloom's Level BL
Q1		**Attempt all**			
	a.	Explain Lambda Expression with example.	[05]	CO1	BL2
	b.	Explain JSP implicit objects.	[05]	CO2	BL2
	c.	What is dependency injection in Spring?	[05]	CO3	BL2
	d.	Elaborate Pointcut designators in AOP	[05]	CO4	BL6
Q2	a.	What is Collections? Explain any two interfaces with its all operations.	[08]	CO1	BL1, BL2
	b.	Develop a Data Access operations to insert values with JdbcTemplate Class	[07]	CO5	BL3
Q3	a.	List out all JSP Standard action. Develop login page JSP application using any two JSP standard action.	[08]	CO2	BL1,BL3
	b.	Explain ArrayList class. Write a Java program using ArrayList to sort the elements and merge the two list into one.	[07]	CO1	BL2,BL6
Q4	a.	Explain Auto-wiring in spring with its type.	[08]	CO3	BL2
	b.	With suitable diagram explain JSP architecture.	[07]	CO2	BL2
Q5	a.	Explain RowMapper Interface. Write a program in Spring JDBC to demonstrate RowMapper Interface.	[08]	CO5	BL6
	b.	Explain Spring Framework Architecture with its modules.	[07]	CO3	BL2