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SECTION - B (35 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Demonstrate the architecture of Java EE with a neat diagram.	K3	CO1
		(OR)		
	11.b.	Summarize the use of annotations in servlets.		
2	12.a.	Explain the Request Dispatcher interface and its methods.	K3	CO2
		(OR)		
	12.b.	Write short notes on File Uploading using Servlets.		
3	13.a.	Explain the steps to create a basic Java web application using servlets and JSP.	K3	CO3
		(OR)		
	13.b.	Examine JSP action elements briefly.		
4	14.a.	Analyse implicit objects in JSP with examples.	K4	CO4
		(OR)		
	14.b.	Explain the bean life cycle in the Spring framework.		
5	15.a.	Discuss the current persistence standards in Java with examples.	K4	CO5
		(OR)		
	15.b.	Demonstrate the JPA architecture.		

SECTION -C (30 Marks)

Answer ANY THREE questions

ALL questions carry EQUAL Marks (3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Discuss Java Servlets in detail.	K3	CO1
2	17	Describe the kinds of cookies and how cookies are created using servlets.	K3	CO2
3	18	Explain the JSP life cycle in detail with a neat diagram.	K4	CO3
4	19	Illustrate Unified Expression Language (Unified EL).	K4	CO4
5	20	Evaluate JPA entities and relationships with examples.	K5	CO5

Z-Z-Z END