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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.	Write note on the concept of Java EE and its evolution.	K2	CO1
		(OR)		
	11.b.	What is a Servlet? Explain its basic life cycle.	K2	CO1
2	12.a.	Examine the kinds of cookies and how cookies are created using servlets?	K3	CO2
		(OR)		
	12.b.	Explain the lifecycle of an HTTP session.	K3	CO2
3	13.a.	Explain how a Non-Blocking Read Application works in Java?	K4	CO3
		(OR)		
	13.b.	Describe different types of comments and elements used in JSP.	K4	CO3
4	14.a.	Summarize implicit objects in JSP with examples.	K3	CO4
		(OR)		
	14.b.	Explain the JSTL core tags with suitable examples.	K3	CO4
5	15.a.	Discuss the current persistence standards in Java with examples.	K4	CO5
		(OR)		
	15.b.	Expound on the JPA architecture.	K4	CO5

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 in detail the Java EE architecture and its components with a suitable diagram.	K4	CO1
2	17	Illustrate how file uploading is done using Servlets? with an example.	K4	CO2
3	18	Examine the steps to create a basic Java web application using servlets and JSP.	K4	CO3
4	19	Analyze the spring architecture in detail with a neat diagram.	K4	CO4
5	20	Illustrate JPA entities and relationships with examples.	K4	CO5

Z-Z-Z END