JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT TEST -3 EXAMINATION- 2024

B.Tech-I Semester (IT/BI)

COURSE CODE (CREDITS): 18B11CI512(3)

MAX. MARKS: 35

COURSE NAME: INFORMATION SYSTEMS

COURSE INSTRUCTORS: Dr Ruchi Verma

MAX. TIME: 2 Hours

Note: (a) All questions are compulsory.

(b) The candidate is allowed to make Suitable numeric assumptions wherever required for solving problems

Q.No	Question Question	CO	Marks
Q1	How does the UDDI technical architecture support the discovery	CO -2	4.0
	and integration of web services and what are the key components of		","
	the UDDI data model implementation?		
.Q2	In a startup environment, how digital natives are empowered to lead	CO3	5.0
	and drive digital transformation through collaboration tools and	55,2	
	innovative practices? What strategies can organizations use to foster		
	seamless collaboration between digital natives and non-digital natives		
	to ensure effective knowledge sharing?		
Q3	Design a plan with secure coding practices in a development	CO -3	4.0
	environment to safeguard against common attack vectors like SOL		"
	injection and buffer overflow attacks?		}
Q4	How does transaction context propagate across different layers of an	CO -4	4.0
ĺ	application, and what challenges arise when dealing with transaction		""
	context propagation in distributed systems.		
Q5	Discuss the challenges and limitations of the Two-Phase Commit	CO -1	4.5
	protocol in terms of performance and fault tolerance in distributed		
	systems.		
Q6	In the context of building a SOAP-based web service for an e-	CO -5	5.0
	commerce platform, how would you implement the key components		
	of WSDL to ensure seamless communication between the service and		
	external partners for order propagains?		
Q7	Given the Morris Internet Worm's historical impact, how would you	CO -5	4.0
	design a network security system to prevent similar self-replicating		
	malware from spreading within an organization?		
Q8	For a large-scale event like a concert or conference, design a location-	CO -6	4.5
	based system to provide attendees with directions and notifications.		