



**KONERU LAKSHMAIAH
EDUCATION FOUNDATION**
(Deemed to be University, Estd. u/s. 3 of UGC Act 1956)

B.Tech - Odd Sem : Semester in Exam-II

Academic Year:2023-2024

21CS3042R - NETWORK AND INFRASTRUCTURE SECURITY

Set No: 1

Time:		Max.Marks: 50					
S.NO	Answer All Questions	Choice	Options	Marks	CO	CO BTL	COI BTL
1.	Explain the two specifications of TLS.	choice Q-2		4.5Marks	CO3	3	2
2.	Explain the SSH remote port forwarding.			4.5Marks	CO3	3	2
3.	List and briefly define the parameters for SSL session state.	choice Q-4		8Marks	CO3	3	2
4.	List and briefly define the parameters that define an SSL session connection.			8Marks	CO3	3	2
5.	Show the message exchange process in SSH User Authentication protocol. Identify the significant changes in TLSv1.3 from TLSv1.2.	choice Q-6		12.5Marks	CO3	3	2
6.	Design the SSH transport layer protocol packet exchange scenario and packet format.			12.5Marks	CO3	3	3
7.	Illustrate the application-level gateway.	choice Q-8		4.5Marks	CO4	3	3
8.	Explain the circuit-level gateway.			4.5Marks	CO4	3	3
9.	Explain the purpose padding field in ESP.	choice Q-10		8Marks	CO4	3	2
10.	Give the difference between an internal and an external firewall.			8Marks	CO4	3	3
11.	Identify the difference between top-level format and payload data of an ESP packet.	choice Q-12		12.5Marks	CO4	3	2
12.	Develop a model to show the interrelationship between the standardized protocols of SP 800-177 for assuring message Authenticity and Integrity.			12.5Marks	CO4	3	3

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