


Name:			
Enrolment No:			
UPES End Semester Examination, December 2023			
Course: IT Network Security Program: B. Tech (CSE+CSF) Course Code: CSSF 3013		Semester: V Time : 03 hrs. Max. Marks: 100	
Instructions: Draw clear diagrams wherever necessary.			
SECTION A (5 Q x 4 M = 20 Marks)			
S. No.		Marks	CO
Q 1	Explain Broadcast Network, Point-to-Point Network & Multipoint Networks.	4	CO1
Q 2	What is the difference between Switch and a Repeater?	4	CO1
Q 3	Mention at least three types of Physical Security Controls with two examples each.	4	CO2
Q 4	What is Active & Passive OS Fingerprinting?	4	CO4
Q 5	How do attackers perform PING SWEEP attempt?	4	CO3
SECTION B (4 Q x 10 M = 40 Marks)			
Q 6	Describe Security Policy documents for a.) Account Management b.) Clean Desk c.) Email d.) Log Management e.) BYOD	10	CO1
Q 7	Explain Intrusion Detection Systems, its components, and the role in Network Defense.	10	CO3
Q 8	How does a VPN function? Explain with an example / diagram	10	CO3
Q 9	Illustrate Wireless Network Threats. Mention at least five Wireless Network Security Techniques.	10	CO1
OR			

	Illustrate the differences between Vulnerability Assessment & Penetration Testing.		
SECTION-C (2 Q x 20 M = 40 Marks)			
Q 10	Describe Network Vulnerability Assessment along with its Advantages, Phases involved and various Types.	20	CO4
Q 11	<p>What do you understand by Penetration Testing Methodology? Which toolset would you use for Web Applications when conducting a Penetration Test?</p> <p style="text-align: center;">OR</p> <p>Illustrate the Incident Handling & Response process.</p>	20	CO5