


Name:			
Enrolment No:			
UPES End Semester Examination, May 2024			
Course: IT Systems and Network Security Program: B.Tech-CSE (All) Course Code: CSSF3019P		Semester: VI Time : 03 hrs. Max. Marks: 100	
Instructions: All Questions are compulsory. Please attempt the questions in a serial order.			
SECTION A (5Qx4M=20Marks)			
S. No.		Marks	CO
Q 1	Classify different computer security types with an example.	4	CO1
Q2	Identify the methods to evade IDSs.	4	CO2
Q3	Define Trusted-Root SSL Certificate?	4	CO2
Q4	Write Difference between TCP 3-way handshake vs SSL handshake.	4	CO3
Q5	Define function of TGS server in Kerberos.	4	CO4
SECTION B (4Qx10M= 40 Marks)			
Q6	Define IDaaS. How IAM can help in Mobile computing?	10	CO2
Q7	Explain, what happens from typing in a URL to displaying a website?	10	CO3
Q8	Explain Cookie Jar Overflow Attack with suitable example.	10	CO4
Q9	Elaborate the essential firewall characteristic and vulnerabilities with suitable examples. <p style="text-align: center;">OR</p> Explain the use of nmap and wireshark. (Mention appropriate commands and steps)	10	CO2
SECTION-C (2Qx20M=40 Marks)			
Q10	Why does every website have those annoying cookie acceptance pop up? Isn't it obvious readers know that there are cookies on every site? Can't cookies just be turned off once and for all under setting instead of having the pop ups? Justify with suitable model and example.	10+10=20	CO3
Q11	What do you understand by VPN, How does VPN encryption work? What are the different types of VPNs?	10+10=20	CO4

OR

List the various attacks that can be made on packet filtering routers and mention appropriate counter measures. Describe phantom attacks.