


Name:			
Enrolment No:			
UPES End Semester Examination, May 2023			
Course: IT Systems and Network Security Program: B.Tech CSE Course Code: CSSF 3019P		Semester: VI Time : 03 hrs. Max. Marks: 100	
Instructions:			
SECTION A (5Qx4M=20Marks)			
S. No.		Marks	CO
Q 1	What is IT System Security and its critical components?	4M	CO1
Q 2	Explain logic bomb and spyware.	4M	CO2
Q 3	What is endpoint security and its aim.	4M	CO2
Q 4	Explain the difference between application and web server.	4M	CO3
Q 5	What is demilitarized zone?	4M	CO3
SECTION B (4Qx10M= 40 Marks)			
Q 6	Define two models in brief to secure operating systems.	10M	CO2
Q 7	What are the security Issues for multiple Unix and Linux systems?	10M	CO2
Q 8	Explain the aim of database security. Also, differentiate between 2-Tier and 3-Tier DBMS architecture.	10M	CO3
Q 9	Explain the term host security and the common threats specific to host security in detail. Or Differentiate between Digital Signature and Digital Certificate.	10M	CO4
SECTION-C (2Qx20M=40 Marks)			
Q 10	Explain penetration testing in detail. Also, explain various phases of penetration testing.	20M	CO5
Q 11	What are the various security services provided by the oracle server? Also, discuss the best practices for cookie security.	20M	CO3

Or

Explain in detail the challenges and IT drivers that influence the endpoint security. Describe Gartner's magic quadrant in brief.