


Name:			
Enrolment No:			
UPES End Semester Examination, May 2023			
Course: IT Data Security Program: B.Tech CSE LLB Cyber Law Course Code: CSSF 2002		Semester: X Time : 03 hrs. Max. Marks: 100	
Instructions: All questions are compulsory.			
SECTION A (5Qx2M=10Marks)			
S. No.		Marks	CO
Q 1	How information security differs from cyber security?	2	CO1
Q 2	Briefly explain CIA Triad.	2	CO1
Q 3	Briefly introduce IBM Infosphere Guardium.	2	CO4
Q 4	List some of the advantages of partial disk encryption.	2	CO3
Q 5	What are Trusted Secure Module (TSM)?	2	CO3
SECTION B (4Qx5M= 20 Marks)			
Q 6	Consider the scenario where online shopping was done by someone using the Credit Card details of a person without his consent. What type of theft it is and how it can be prevented?	5	CO1
Q 7	Explain the process of dumpster diving. Briefly describe an incident of dumpster diving showing it's impact.	5	CO2
Q 8	Describe the process of database monitoring using IBM Infosphere Guardium.	5	CO4
Q 9	Compare Full Disk Encryption and Partial Disk Encryption.	5	CO3
SECTION-C (2Qx10M=20 Marks)			
Q 10	Explain the SQL Injection in detail.	10	CO2
Q 11	How the process of phishing takes place? What can be the countermeasures against phishing?	10	CO2
SECTION-D (2Qx25M=50 Marks)			

Q 12	What are the different ways in Data can be masked? Explain the various strategies, their characteristics and countermeasures.	25	CO2
Q 13	Explain backup as a countermeasure of IT data security. Describe the different strategies adopted by an organization for backup with suitable examples.	25	CO3