Name of the Program: (Example: B. Sc./BBA/MA/B.Tech.)	B. TECH/ MCA	Semester: (II/IV/ VI/ VIII/X)	VI/IV
Paper Title :	CRYPTOGRAPHY AND CYBER SECURITY	Paper Code:	ECS43110/ECS52108
Maximum Marks :	40	Time duration:	3HR
Total No of questions:	8	Total No of Pages:	1
(Any other information for the student may be mentioned here)	1. At top sheet, clearly mention Name, Univ. Roll No., Enrolment No., Paper Name & Code, Date of Exam. 2. All parts of a Question should be answered consecutively. Each Answer should start from a fresh page. 3. Assumptions made if any, should be stated clearly at the beginning of your answer.		

Answer all the Groups
Group A
Answer all the questions of the following $5 \times 1 = 5$

1. a) Define Active attack and how it is danger for integrity suggest your point.
    b) Why traffic confidentiality is necessary for commercial website.
    c) What is link encryption.
    d) Define Known plaintext and side channel attack.
    e) How Stego-image hide data suggest your understanding.

GROUP –B
Answer *any three* of the following $3 \times 5 = 15$

2.   Define Public key encryption technique and it's characteristic's.   3+2

3.   Explain authentication protocol and how PAP provide authentication.   3+2

4.   What are the possible threat in E-mail hacking give a brief overview of it. 3+2

5.   Analyse the importance of secure electronic transaction (SET) and how the participants ensure security and integrity in SET.   3+2

GROUP –C
Answer *any two* of the following $2 \times 10 = 20$

6.   Explain digital signature and it's mechanism with a suitable diagram.   5+5

7.   Write a short note on a) Hashing algorithm, b) X.509 certificate   5+5
8.   Define the role of Pretty good privacy protocol in sender and receiver site with suitable diagram.   5+5

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