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Internal Assessment Test 2 – Nov 2025

Sub:	Data Security and Privacy			Sub Code:	BAD703	Branch:	AIML	
Date:	29/11/25	Duration:	90 min	Max Marks:	50	Sem/Sec:	VII /A, B	
<u>Answer any FIVE FULL Questions</u>						MARKS	CO	RBT
1	Given a scenario where a multinational company plans to implement a secure communication system across its global offices, as a security engineer, analyze the various public-key certificate management models, recommend the most suitable model, explain the certificate lifecycle, and justify your choice				10M	CO3	L3	
2 a	Distinguish between TLS session and TLS connection.				5M	CO4	L2	
2 b	Explain the certification of public keys and discuss the certificate lifecycle.				5M	CO3	L2	
3	Describe the IPsec Policy and how it is used for traffic processing				10M	CO4	L2	
4	Analyze the LSB (Least Significant Bit) encoding technique for image steganography and demonstrate its application with a suitable example.				10M	CO5	L3	
5a	Explain any five Web Traffic Security Approaches.				5M	CO4	L2	
5b	Describe the following concepts with suitable examples: a) Innocuous Text b) Mimic Functions c) Applications of Data Hiding				5M	CO5	L2	
6	Explain lossless data hiding in images and discuss any two reversible data-hiding techniques.				10M	CO5	L2	

Faculty Signature

CCI Signature

HOD Signature

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