GALGOTIAS UNIVERSITY

ADMISSION NUMBER												

School of Computing Science and Engineering

B.TECH CSE with specialization in Internet of Things and Cyber Security Including Block Chain
Semester End Examination - Nov 2023

Duration : 180 Minutes
Max Marks : 100

Sem VII - CSIO4701 - Privacy and Security in IoT

General Instructions
Answer to the specific question asked
Draw neat, labelled diagrams wherever necessary
Approved data hand books are allowed subject to verification by the Invigilator

1)	Explain the purpose of hash functions in IoT security.	K1 (2)
2)	How does access control contribute to IoT data protection?	K2 (4)
3)	How do cloud IoT security controls contribute to a secure ecosystem?	K2 (6)
4)	Discuss the challenges of implementing IoT IAM infrastructure.	K3 (9)
5)	Analyze the impact of trust models on IoT privacy preservation.	K3 (9)
6)	How do cloud IoT security controls enhance data protection?	K5 (10)
7)	Develop an IoT IAM infrastructure that integrates access control and trust models.	K4 (12)
8)	Design a secure and scalable authentication/authorization framework for IoT devices, considering real-world constraints.	K5 (15)
9)	Develop a comprehensive risk assessment model for IoT applications, taking into account different security aspects.	K5 (15)
10)	Propose an advanced cryptographic framework for IoT, incorporating secure key management and communication protocols.	K6 (18)