

Note:			Marks	Course Outcome	Bloom's Level
				CO	BL
Q1	Answer the following				
	a.	Define IoT and mention any three key characteristics that differentiate it from traditional M2M communication.	[05]	1	Level 1 <input type="checkbox"/> Remembering
	b.	Analyze the significance of safety, privacy, trust, and security models in IoT architecture.	[05]	2	Level 4 – Analyzing
	c.	Explain the ZigBee architecture in detail.	[05]	3	Level 2 – Understanding
	d.	Differentiate between Web of Things (WoT) and Internet of Things (IoT).	[05]	5	Level 2 – Understanding
Q2	a.	Discuss the physical and logical design of IoT. Illustrate with suitable examples.	[08]	1	Level 4 <input type="checkbox"/> Analyzing
	b.	Evaluate the role of the IoT Reference Architecture. How do the functional, information, and deployment views contribute to the effective implementation of IoT systems?	[07]	2	Level 5 – Evaluating
Q3	a.	Analyze the various vulnerabilities in IoT systems and discuss how threat modeling can help mitigate risks in a smart home application.	[08]	3	Level 4 – Analyzing
	b.	Explain the purpose of IoT platform design methodology and list its key components.	[07]	4	Level 2 – Understanding
Q4	a.	Analyze the architecture of the Cloud of Things. How does it facilitate mobile cloud computing in an IoT environment?	[08]	5	Level 4 <input type="checkbox"/> Analyzing
	b.	Analyze the role of predictive maintenance in Industrial IoT (IIoT) and how it helps in improving plant efficiency and worker safety.	[07]	6	Level 4 – Analyzing
Q5	a.	Explain how smart lighting and smart appliances contribute to a home automation system.	[08]	6	Level 2 – Understanding
	b.	Explain the different IoT levels (Level 1 to Level 3) and illustrate how each level contributes to the overall functioning of an IoT system.	[07]	1	Level 3 – Applying
