

USN											CS822
B. E. Degree (Autonomous) Eighth Semester End Examination (SEE), May 2021/June 2021											
INTERNET of THINGS											
(Model Question Paper – III)											
Time: 3 Hours]								[Maximum Marks: 100			
Instructions to students: Answer FIVE FULL questions.											
OR											
Q.No.	Questions								Marks	CO	RBT Cognitive Level
a)	Summarize the summary of cellular M2M market situation.								10	CO1	L2
b)	Explain various emerging IoT applications.								10	CO1	L3
OR											
a)	Explain the generic M2M System Solution with a neat diagram								10	CO1	L3
b)	Summarize the Megatrends, Capabilities and implications of IoT.								10	CO1	L3
OR											
a)	Describe M2M value chain with a neat diagram								10	CO2	L2
b)	Explain an information driven value chain for IoT with a neat diagram								10	CO2	L3
OR											
a)	Discuss the various IoT architectural objectives.								10	CO2	L2
b)	Explain the functional layers and capabilities of an IoT solution with a neat diagram.								10	CO2	L3
OR											
a)	Explain the purposes and considerations for analytics in M2M/IoT.								10	CO3	L3
b)	Describe the analytics architecture for M2M/IoT with a neat diagram.								10	CO3	L2
OR											
a)	Explain the various phases in CRISP-DM process model by using an example from Predictive Maintenance (PdM) for pump stations in a water distribution network.								10	CO3	L3
b)	Explain the knowledge reference architecture for M2M and IoT in detail.								10	CO3	L3
OR											
a)	Illustrate ITU-IoT Reference model in detail with a neat diagram.								10	CO4	L2

	b)	Explain OGC functional architecture and interactions with a neat diagram.	10	CO4	L3
OR					
	a)	Illustrate ETSI M2M High Level architecture with a neat diagram	10	CO4	L2
	b)	Explain ETSI M2M service capabilities in detail with a neat diagram	10	CO4	L3
OR					
	a)	Explain M2M SOA based integration with a neat diagram.	10	CO5	L3
	b)	Describe SOCRADES integration architecture (SIA) enables the coupling of industrial machines at shop floor and enterprise systems with a neat diagram.	10	CO5	L2
OR					
	a)	Explain IMC-AESOP cloud based architecture with a neat diagram.	10	CO5	L3
	b)	Explain the deployment and operational view, resources, services, virtual entities, users in an IoT system by considering a Parking lot example.	10	CO5	L3
