GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER–VIII(NEW) EXAMINATION – SUMMER 2019

Subject Code:2180709   **Date:17/05/2019**
Subject Name:Iot And Applications
Time:10:30 AM TO 01:00 PM   **Total Marks: 70**

Instructions:
   1. **Attempt all questions.**
   2. **Make suitable assumptions wherever necessary.**
   3. **Figures to the right indicate full marks.**

			MARKS
Q.1	**(a)**	Explain vision of IoT.	**03**
	(b)	Explain Time for Convergence for IoT in detail.	**04**
	(c)	Explain in brief detailed layered IoT architecture.	**07**
Q.2	**(a)**	Compare Main Characteristics of M2M and IoT.	**03**
	(b)	Explain IoT Value Chains.	**04**
	(c)	For Building an architecture of IoT explain Main design principles and needed capabilities.	**07**
		OR	
	(c)	Discuss IoT with various Application Area.	**07**
Q.3	**(a)**	Explain IoT Domain Model.	**03**
	(b)	Explain IoT Function View.	**04**
	(c)	Explain ETSI M2M High Level Architecture.	**07**
		OR	
Q.3	**(a)**	Explain IoT Information Model.	**03**
	(b)	Explain IoT Deployment & Operational View.	**04**
	(c)	Explain ETSI M2M Service Capabilities.	**07**
Q.4	**(a)**	Explain Brownfield IoT Application.	**03**
	(b)	Explain Value Creation from Big Data and Serialization.	**04**
	(c)	Explain Opinions on IoT Application and Value for Industry	**07**
		OR	
Q.4	**(a)**	Explain Future Factory Concepts IoT Application.	**03**
	(b)	Explain in detail Smart Objects and Application.	**04**
	(c)	Explain eHealth IOT applications.	**07**
Q.5	**(a)**	Discuss activity chain 05 - governance, privacy and security issues.	**03**
	(b)	Explain smartie approach for IoT.	**04**
	(c)	Discuss GAMBAS adaptive middleware.	**07**
		OR	
Q.5	**(a)**	Explain IoT for Retailing Industry.	**03**
	(b)	Explain security, privacy and trust in IoT-Data-Platforms for smart cities.	**04**
	(c)	Discuss various FP7 projects.	**07**

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