

Seat No.: _____

Enrolment No. _____

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
