

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

## GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VIII (NEW) - EXAMINATION – SUMMER 2017

Subject Code: 2180709

Date: 02/05/2017

Subject Name: IOT and Applications (Departmental Elective - III)

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.

- Q.1 (a) Define IOT. Discuss various application areas of IoT. 07  
(b) Explain Time for Convergence for IoT. 07
- Q.2 (a) Explain M2M Value Chains. 07  
(b) Explain IoT Functional view. 07
- OR**
- (b) Discuss IoT architecture outline with diagram. 07
- Q.3 (a) Explain IoT value chains. 07  
(b) Explain ETSI M2M high-level architecture. 07
- OR**
- Q.3 (a) Discuss IOT domain model notation and semantics. 07  
(b) Explain IOT reference architecture's deployment and operational view. 07
- Q.4 (a) What are the requirements that IoT application for industrial application should meet? 07  
(b) What the shopping basket can tell: IoT for retailing industry? 07
- OR**
- Q.4 (a) Discuss GAMBAS adaptive middleware. 07  
(b) Explain smartie approach for IoT. 07
- Q.5 (a) Explain in brief future factory concepts. 07  
(b) Describe four aspects in your business to master IoT. 07
- OR**
- Q.5 (a) Explain Butler project. 07  
(b) Explain security, privacy and trust in IoT-Data-Platforms for smart cities. 07

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