

**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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