

GUJARAT TECHNOLOGICAL UNIVERSITY**ME – SEMESTER –I-(New) EXAMINATION – SUMMER 2019****Subject Code: 3712312****Date: 13/05/2019****Subject Name: Smart Sensors and Internet of Things****Time: 02:30 PM TO 05:00 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) Explain the Internet of things Today and explain Characteristic of I.O.T. **07**
 (b) Explain Vision of the I.O.T. And Components of I.O.T. **07**
- Q.2** (a) Comparison of M2M and I.O.T **07**
 (b) Advantages and Disadvantages of I.O.T **07**
OR
- (b) Explain IoT functional view **07**
- Q.3** (a) Explain IoT value chains **07**
 (b) Key feature of M2M. **07**
OR
- Q.3** (a) Explain Architecture reference Model. **07**
 (b) Discuss ETSI M2M interfaces. **07**
- Q.4** (a) Discuss GAMBAS adaptive middleware **07**
 (b) Explain in brief future factory concepts. **07**
OR
- 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**
- Q.5** (a) Explain Data Aggregation for the IOT in smart cities. **07**
 (b) Describe four aspects in your business to master IoT **07**
OR
- Q.5** (a) Discuss various FP7 projects. **07**
 (b) Explain Brownfield IoT **07**
