



PRESIDENCY UNIVERSITY,  
BENGALURU

SCHOOL OF ENGINEERING

SET B

TEST 2

Odd Semester: 2018-19

Course Code: CSE220

Course Name: Internet of Things

Branch & Sem: CSE & VII Sem Group - I

Date: 27 November 2018

Time: 1 Hour

Max Marks: 20

Weightage: 10%

**Instructions:**

- (i) Read the question properly and answer accordingly.
- (ii) Question paper consists of 3 parts.

**Part A**

Answer **all** the Questions. Each question carries **five** marks. (5x2=10)

1. Briefly explain advance message queue presence protocol (AMQP) along with message delivery guarantee and AMQP frame types.
2. Explain IEEE 802.15.4 with its variants and types.

**Part B**

Answer the Question. Question carries **five** marks. (5x1=5)

3. Explain LOADng and RPL routing with respect to 6lowpan protocol.

**Part C**

Answer the Question. Question carries **five** marks (5x1=5)

4. With a neat sketch explain the working principle of RFID.



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**SET A**

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**Part A**

Answer **all** the Questions. Each question carries **five** marks. (5x2=10)

1. Briefly explain 6lowpan protocol along with its packet format and header types.
2. Explain with a neat diagram message queue telemetry transport (MQTT).

**Part B**

Answer the Question. Question carries **five** marks. (5x1=5)

3. Explain constrained oriented protocol (CoAP) along with its message types and request response model

**Part C**

Answer the Question. Question carries **five** marks (5x1=5)

4. Explain extensible messaging presence protocol(XMPP)



Roll No.

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**END TERM FINAL EXAMINATION**

**Odd Semester:** 2018-19

**Course Code:** CSE 220

**Course Name:** Internet of Things

**Programme & Sem:** CSE & VII Sem (Group-1)

**Date:** 27 December 2018

**Time:** 2 Hours

**Max Marks:** 40

**Weightage:** 20%

**Instructions:**

- (i) Read the question properly and answer accordingly.
- (ii) Question paper consists of 2 parts.

**Part A**

Answer **all** the Questions. **Each** question carries **five** marks.

(4Qx5M=20)

1. List down the steps involved in IoT system design methodology.
2. Briefly explain the process specification for home automation IoT system.
3. Briefly explain WSN.
4. Define the following with respect to domain model specification
  1. Physical entity
  2. Virtual Entity
  3. Service
  4. Resource
  5. Device

**Part B**

Answer **both** the Questions. **Each** question carries **ten** marks.

(2Qx10M=20)

5. Briefly explain the components of RFID system with appropriate diagrams.
6. With a neat diagram explain principle of RFID.