

## Introduction to Internet of Things

### Assignment 2

1. Which of these statements is NOT TRUE?
  - a. MQTT is a publish-subscribe protocol
  - b. MQTT is a client-server protocol**
  - c. MQTT is a lightweight messaging protocol
  - d. MQTT is used in conjunction with TCP/IP
2. MQTT is designed for:
  - a. Remote connections
  - b. Limited bandwidth
  - c. Small-code footprint
  - d. All of these**
3. CoAP is a:
  - a. Physical layer protocol
  - b. Application layer protocol**
  - c. Service layer protocol
  - d. Network layer protocol
4. REST stands for:
  - a. Representational State Transfer**
  - b. Resourceful Sensor Transfer
  - c. Resourceful State Transport
  - d. None of these
5. AMQP is designed for connecting:
  - a. Constrained networks
  - b. LANs and WANs
  - c. Systems and Business processes**
  - d. None of these
6. AMQP provides the following message delivery guarantees:
  - a. At most once
  - b. At least once
  - c. Exactly once
  - d. All of these**
7. Which modulation scheme is followed by IEEE 802.15.4 standard?
  - a. BPSK
  - b. QPSK
  - c. DSSS
  - d. All of these**
8. Collision prevention in 802.15.4 standard is provided by means of:
  - a. CSMA-CA**

- b. CSMA-CD
  - c. ALOHA
  - d. None of these
9. Which of these is a routing protocol for low power lossy networks over IPv6?
- a. RPL**
  - b. OSPF
  - c. Both a and b
  - d. None of these
10. RPL supports:
- a. Message confidentiality
  - b. Loop detection in the routes
  - c. Data path validation
  - d. All of these**