**Internet of Everything**

**Assignment I - Open Notebook Assignment**

**YEAR/SEM: *BE* IT/VIII**

**DATE: 03/02/2019**

**MARKS: 10**

**Roll No 1-20 (Q 1-5) Roll No 21-40(Q 6-10)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sr.** | **Question** | **M** | **Module** | **Level** | **CO** |
| Q1 | What are Sensors? What are types of Sensors? | [2] | M1 | R | CO1 |
| Q2 | Give full form of   1. IoE 2. RFID 3. WLAN 4. WSN 5. 6LoWPAN 6. AIDC | [2] | M1 | R | CO1 |
| Q3 | What is RFID Middleware ? What is the role of the same? | [2] | M2 | A | CO2 |
| Q4 | What are different objects in IoT? | [2] | M1 | R | CO1 |
| Q5 | List the various technologies related to IoT | [2] | M1 | R | CO1 |
| Q6 | What are security related issues in RFID? | [2] | M2 | R | CO1 |
| Q7 | Compare RFID and Barcode | [2] | M2 | A | CO2 |
| Q8 | List variants of ALOHA. Which one has best performance ? | [2] | M3 | A | CO3 |
| Q9 | What are different types of RFID Tags? Explain Passive tags. | [2] | M3 | A | CO3 |
| Q10 | Explain role of RFID in Supply chain. | [2] | M3 | A | CO3 |

**Dr. Vinayak Ashok Bharadi**

Associate Professor, HoD IT

**Internet of Everything**

**Assignment I - Open Notebook Assignment**

**YEAR/SEM: *BE* IT/VIII**

**DATE: 03/02/2019**

**MARKS: 10**

**Roll No 41-60 (Q 1-5) Roll No 61-76(Q 6-10)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sr.** | **Question** | **M** | **Module** | **Level** | **CO** |
| Q1 | What are Sensors? What are types of Sensors? | [2] | M1 | R | CO1 |
| Q2 | Give full form of   1. IoE 2. RFID 3. WLAN 4. WSN 5. 6LoWPAN 6. AIDC | [2] | M1 | R | CO1 |
| Q3 | Explain various identifiers used in IoT | [2] | M2 | A | CO2 |
| Q4 | What are different objects in IoT? | [2] | M1 | R | CO1 |
| Q5 | Explain RFID principal with block diagram. | [2] | M1 | R | CO1 |
| Q6 | What are security related issues in RFID? | [2] | M2 | R | CO1 |
| Q7 | Compare RFID and Barcode | [2] | M2 | A | CO2 |
| Q8 | Compare Pure ALOHA and Slotted ALOHA | [2] | M3 | A | CO3 |
| Q9 | What are different types of RFID Tags? Explain Active tags. | [2] | M3 | A | CO3 |
| Q10 | What are different types of Frame Slotted ALOHA? Why they perform better than Pure ALOHA. | [2] | M3 | A | CO3 |

**Dr. Vinayak Ashok Bharadi**

Associate Professor, HoD IT