

**2211000306026003**  
**EXAMINATION FEBRUARY-MARCH 2024**  
**BACHELOR OF SCIENCE (SIXTH SEMESTER)**  
**COMPUTER SCIENCE-VIII (PAPER-603-IOT) - LEVEL 2**

[Time: As Per Schedule]

[Max. Marks: 50]

**Instructions:**

**1. Fill up strictly the following details on your answer book**

- a. Name of the Examination: **BACHELOR OF SCIENCE (SIXTH SEMESTER)**
  - b. Name of the Subject: **COMPUTER SCIENCE-VIII (PAPER-603-IOT) - LEVEL 2**
  - c. Subject Code No: **2211000306026003**
2. Sketch neat and labelled diagram wherever necessary.
  3. Figures to the right indicate full marks of the question.
  4. All questions are compulsory.

Seat No:

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Student's Signature

**Q.1 Answer the following:**

**14**

1. List IoT protocols.
2. What are the three architectural domain functionalities in M2M architecture?
3. What is Active IR sensor?
4. What is Thermal Actuator?
5. Define IR sensor.
6. What is the function of communication functional block in an IoT system?
7. What is embedded systems?

**Q.2 Answer the following: (Any Two)**

**12**

1. Explain sensory technology in detail.
2. What is Actuator? Explain types of Actuators.
3. Write in detail about Raspberry pi components.

**Q.3 Answer the following: (Any Two)**

**12**

1. Differentiate IoT and M2M.

2. Explain Temperature and Humidity sensor in detail.
3. Explain about building blocks of IoT device.

**Q.4 Write Short Note on the following: (Any Two)**

**12**

1. IOT and its Characteristics.
2. Communication Models.
3. IoT based Home.

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