**From IOT UNIT I:**

1. Explain the conceptual framework of IoT using the equations. How do they represent data flow in IoT systems?
2. Discuss the key characteristics of IoT, including connectivity, intelligence, scalability, adaptability, and security. Provide examples to support your explanation.
3. Compare and contrast IoT and M2M (Machine-to-Machine) communication based on connection type, intelligence, data sharing, and business applications.

**From IOT UNIT IV:**

1. Describe the anatomy of an Arduino board by explaining its key components such as microcontroller, digital and analog I/O pins, clock speed, and communication interfaces.
2. Explain the structure of an Arduino sketch. How do the setup() and loop() functions work in an IoT-based Arduino program? Provide an example.
3. Discuss the role of Arduino libraries in IoT applications. Provide examples of different types of libraries such as communication, connectivity, and display libraries.