**Sardar Patel College of Engineering.**

**Information Technology Department.**

**Subject Name: Internet of Things (3171108)**

**Question Bank.**

**CHAPTER -1**

1. What is IoT? Explain the characteristics of Iot.
2. Explain each components and its working in detail.
3. Explain the requirement of IoT and its advantage and limitation in detail.
4. Explain the applications of IoT.
5. What do you mean by M2M? What is the need of M2M? Write down the difference between IoT and M2M.
6. Explain Architecture and components of M2M.
7. Explain Physical Design (Architecture) of IoT.
8. Explain logical Design (Architecture) of IoT.
9. Explain the IoT protocols in brief.
10. Explain IoT levels and deployment Templates in brief.
11. Write a short note on challenges for IoT.

**CHAPTER -2**

1. What is sensor? Explain the working of sensor. Write down the types of sensors.
2. Explain sensor data communication protocols in detail.
3. What do you mean by Actuators?
4. What do you mean by smart objects? How can we connect different smart objects?
5. What do you mean by Arduino? Draw and explain each component of Arduino board.
6. What do you mean by Raspberry Pi? Explain each component of Raspberry Pi.
7. Explain the interface of Raspberry Pi.
8. Explain the implementation of IoT application with the use of Edge Devices.
9. How to read data through sensor and transmit the data in cloud?
10. Explain IoT gateways.