**UNIT 1**

1)What is IOT and what are the characteristics of IOT

2)list different services used in cloud computing

3)What are the different protocols used in IOT layers and explain

4)Give the comparison of REST Websocket based communication API

5)Explain about level 4 IOT system

6)What are the applications of IOT

**UNIT 2**

1)Explain the key elements of SDN with architecture

2)Explain about M2M architecture

3)Briefly discuss about the differences of IOT and M2M

4)Explain about network function virtualization

5)What are the limitations of conventional network architecture

6)write about conventional network architecture

**UNIT 3**

1)Draw the I/O pin diagram of Arduino Uno

2)Explain the pin functions of Arduino uno board

3)List different sensors interfaced with Arduino with measuring parameters

4) What is relay and explain about its working and use

5) What is the difference between servo motor and stepper motor

6)Explain how different I/O pins are initialised using Arduino

**UNIT 4**

1)Explain how IOT is used in home automation

2) Explain how IOT is used in agriculture

3) Explain how IOT is used in home automation

4)Explain how IOT is used in health care

5) Explain how IOT is used in Transport

6) Explain how IOT is used in Industry

**UNIT 5**

1)what are the Catalysts and Precursors of the IIoT

2)what are the Key Opportunities of IIOT

3)What are the Key benefits of IIOT

4)Explain about four main characteristics of Industry 4.0

5)What are the Building blocks of Industry 4.0

6)What are the design principles of industry 4.0