**IOT- Mid Term – Question Paper**

**Duration: 75 minutes Total Marks : 30**

**Note: Answer any five questions**

1. **Define IoT.Name and explain two IoT devices which you come across in day to day life?**
2. **Explain the building blocks of IOT. With a suitable diagram illustrate how you can convert a regular parking place of your college to IOT enabled parking place ?**
3. **Explain with a suitable diagram how IoT can be used in Agriculture?**
4. **Explain IOT architecture with a suitable diagram. What is the advantage and disadvantage of using Edge Computing.**
5. **Explain properties of a good sensor. Name and explain at least two sensors that could have been used in Chandrayan III.**
6. **Explain the need for MQTT protocol in IOT with suitable diagram. Specify the suitable topics and payload in case Chandrayan III lander has to send information to the ISRO in Bengaluru.**
7. **Name two IOT applications that can be build using Zigbee. Explain what type of network can be achieved using ZigBee to share information.**
8. **What is a Protocol, standard and technology with reference to IOT. Explain differences between TCP and UDP.**