

**IOT- Mid Term – Question Paper – November – 2024 – Section C and D**

**Duration: 75 minutes**

**Total Marks : 30**

**Note: Answer any five questions**

- 1. Name and explain the working of two IoT devices which could be used in smart city?**
- 2. Explain the building blocks of IoT. With a suitable diagram illustrate how you can convert a regular agricultural water pump into an IoT enabled water pump?**
- 3. Explain how agriculture can be transformed using IoT?**
- 4. Explain IOT architecture with a suitable diagram.**
- 5. Describe a good sensor. Name and explain at least two sensors that could be used in home automation.**
- 6. Explain the architecture of an IoT protocol with suitable diagram that uses publish and subscribe.**
- 7. Explain how Zigbee can be used in IoT with a suitable diagram.**
- 8. Compare and contrast between Bluetooth Low Energy (BLE) and Bluetooth.**