Question Bank UNIT 4

1. Explain the basic building blocks of an IoT device?

2. Explain Raspberry Pi interfaces.

3. **Brief note on programming Raspberry Pi with Python**

4. **How is Raspberry Pi different from a desktop computer?**

5. What is the use of SPI and IPC interfaces on Raspberry Pi?

6. **Evaluate the steps to controlling LED with Raspberry Pi using Python.**

7. Explain the Raspberry Pi board with the various components/peripherals labelled.

8. **Write a note on interfacing a light Sensor(LDR) with Raspberry Pi**

9. Brief about other IoT devices?

10. **Evaluate the steps to interfacing an LED and Switch with Raspberry Pi.**

Question Bank UNIT 5

1. Explain WAMP Session between the Client and router.

2. **Describe the architecture of a Django application.**

3. **What is the purpose of an Amazon AutoScaling Group? Describe the steps involved in creating an AutoScaling group.**

4. Describe the use of Amazon Kinesis for IoT?

5. What does a MapReduce job comprise of?

6. **What protocols does the SkyNet Messaging platform support?**

7. **What is Amazon DynamoDB? Describe an application that can benefit from Amazon DynamoDB.**

8. What are the uses of messaging queues? What are the message formats supported by Amazon SQS?

9.**What is the difference between a Xively data stream and a Channel?**

10.What is the function of URL patterns in Django?