**Assignment - 4**

Q1. What is the MQTT data packet format? Explain briefly.

Q2. Describe difference between HTTP and MQTT ? Explain the benefits

of each of the two ?

Q3. What is a JSON format? Give an example.

Q4. What is a client and server certificate?

Q5. What does a MQTT broker do?

Q6. Create an app in Mongoose OS to send DHT11 sensor data to topic “temp\_humidity” every 30 seconds in AWS IoT core servers.

Q7. Create an app in Mongoose OS to show timers and interrupts (using button) working together. The timers should control LED blinking.

Q8. What are the advantages of using AWS?

Q9. Write a program in Arduino to control brightness of an LED using cayenne. The input should be coming from Cayenne servers.

Q10. Write a program in Arduino to send ldr data in terms of volts to Cayenne servers.