Assignment-1

Answer the following:

All questions are compulsory, should be written and converted to pdf and uploaded in classroom.
Late submission is 0.

1) What is the difference between data, information and knowledge?
2) Define IoT (any 3 definitions)
3) Whats are the characteristics of IoT?
4) List some applications of IoT?
5) What do you mean by things in IoT? Draw the block diagram.
6) Explain the protocols of the following layer: Link Layer, Network Layer, Transport Layer, Application layer.
7) Differentiate between MQTT and CoAP
8) Explain the Functional blocks of IoT.
9) Explain with a help of diagram various communication models.
10) Describe Rest and Websocket API. Mention differences between the two.
11) Brief explain the enabling technologies involved in IoT.
12) Describe the various components involved in IoT Levels.
13) Explain Level1, Level2, Level3 with a help of diagram, also mention the difference between the three.
14) Explain Level4, Level5, Level6 with the help of diagram.
15) Mention various application related to all the 6 levels.