

"ISO is the organization, OSI is the model"

study time

Subject \_\_\_\_\_

Date: 13/09/2019

MON TUE WED THR FRI SAT SUN

## Tutorial UNIT-I

Prob. 1. Identify the five Components of a data Communications System.

Prob. 2. What is topology? Explain different types of topology Connections. Give the Advantages and disadvantages of each topologies.

Prob. 3. What is Protocol?

Prob. 4. What is Internet?

Prob. 5. List the layers of the Internet model

Prob. 6. What is a peer to peer Process?

Prob. 7. What are headers and trailers, and how do they get added and removed?

Prob. 8. ~~Explain~~ <sup>Draw</sup> OSI model Architecture. Explain responsibilities of the OSI model layers.

Prob. 9. Explain TCP/IP Architecture.

Prob. 10. Compare OSI model and TCP/IP reference model

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Prob 1) what is Connection less and Connection oriented?

Prob 2) For  $n$  devices in a network, what is the number of cable links required for a mesh, ring, bus and star topology?

Prob 3) what is difference between half-duplex, full-duplex and Simple transmission modes?

Prob 4) Assume six devices are arranged in a mesh topology. How many cables are needed? How many ports are needed for each device?