Qualification exam 2023 1st semester

Advanced mobile networks: Theory and Application

1. a) Describe OLSR (w.r.t link state flood)

b) Describe at least two congestion avoidance techniques in IEEE 802.11

2. a) Explain a simple network topology in case of hidden terminal problem avoiding obstacles

b) what thing must be considered when we design DTN routing. What is the difference between DTN and ad-hoc network, and traditional routing.

3. a) In WSN we use multi-hop in WSN instead of directly transmission.

What is the appropriate reason for this.

b) Describe. 802.15.4 MAC protocol