

## **i341 - Week 9 Wireless Network Questions**

- 1) Describe/contrast Basic Service Set (BSS) and Extended Service Set (ESS) in 802.11 Wifi as well as when would both be used ?
- 2) What is ad-hoc (peer to peer wireless) – why important to understand ?
- 3) Explain/describe WiFi channel reuse patterns/model in 2.4 GHz and 5 GHz wireless networks, why is this important ?
- 4) Distinguish 802.11 in 2.4 GHz and 5 GHz (channel size, channel, cell size)
- 5) In terms of phases of wireless, specifically technical innovation; how do you see wireless utilized in the future (where not utilized today) ?
- 6) Describe use of wireless controllers (dynamic controls), basic concept and why advantageous/beneficial ?
- 7) What are the 2 most important design criteria to consider in designing/supporting/utilizing wireless networks ?
- 8) What is RFID ?
- 9) Describe/distinguish two basic categories of RFID.
- 10) What access method does WiFi employ – how would WiFi potentially affect application performance ?
- 11) What is a spectrum analyzer – where/how used ?
- 12) What is WiFi 802.11 channel bonding, give an example of how/where used ?
- 13) How might I use SNMP/MIBs in managing a wireless network ?
- 14) Why is wireless a security concern, and what should be required to “trust” a wireless device ?
- 15) What 2.4 GHz WiFi channel(s) does a) microwave, b) 2.4 cordless phones interfere with ?
- 16) Describe/contrast strategies and tools/methods to troubleshoot wireless network and distributed application issues ? Use what in which scenario ?