

TEXT/LECTURE QUESTIONS (SPECTRUM/TECHNOLOGY)

1. What do we mean when we say that broadcasting is governed by “Immutable Laws?”
2. Be able to describe the various forms of propagation:
 - a. sky waves
 - b. ground waves
 - c. direct waves
3. What are the four factors that limit a perfect circumference of propagation as the signal extends outward from its transmitter?
4. Understand the following terms and the details we talked about in class:
 - a. AM/FM
 - b. VHF/UHF
 - c. SAP
 - d. SCS
 - e. DBS
 - f. HD Radio
 - g. multicasting
5. What other users are there of the radiowave spectrum space besides radio and television broadcasting?
6. Describe the developmental history of AM/FM/TV/DBS/Cable as media forms? (Some dates will be critical here.)
 - a. What did the FCC do to aid AM broadcasting in the wake of the rise of FM popularity? (1991 AM Rules)
 - b. What did AM as a medium do to combat the rising popularity of FM?
 - c. How role does bandwidth play in the contrasting AM and FM media?
7. What are the following and what kind of standard did they impose on television broadcasting:
 - a. NTSC
 - b. ATSC
 - c. Grand Alliance
8. Cable:
 - a. What is cable ala carte?
 - b. What is are headend, trunk cables, distribution cables and drop cables?
 - c. What is the difference between must-carry and retransmission consent rules?