

CSE3020 Network Technology

Semester 1, 2004

Tutorial 11 -Week 12

Question T11.1 - What geometric shape is used in cellular system design? And explain why.

Question T11.2 - What is the principle of frequency reuse in the context of a cellular network?

Question T11.3 - List five ways of increasing the capacity of a cellular system.

Question T11.4 - What are the three multipath propagation mechanisms? Briefly explain each one of them.

Question T11.5 - What are the functions of a mobile switching center (MSC) or mobile telecommunications switching office (MTSO)?

Question T11.6 - What is the difference between a hard handoff and a soft handoff?

Question T11.7 - Briefly describe the steps involved in a typical call in single MTSO area.