

Important questions to be prepared for the Final Exam

Chapter 4:

- a. Elements of the core network.
- b. Traffic dimensioning with traffic calculations.
- c. Calling and moving interest.
- d. Traffic theory Math.
- e. Signaling, IN, Failure analysis and protection (Short note)

Chapter 5&6

- a. Short note on SGSN & GGSN.
- b. Difference between GPRS and EDGE Service.
- c. Dynamic Abis with time slot allocation.

Chapter 7:

- a. 3G vision & IMT 2000 objectives.
- b. Prospect of global roaming.
- c. Traffic classes of 3G
- d. Elements of RN
- e. RN interfaces.
- f. Protocol architecture
- g. Spreading and Scrambling techniques.
- h. Smart antenna , Handover, cell breathing, (Short Note)
- i. Optimization process.

Chapter 8:

- a. Elements of 3G Tx Networks
- b. ATM architecture & Protocol layers.
- c. ATM Services.
- d. Protocol stack for CS & PS
- e. Overheads.
- f. SDH & STM

3G Core Network:

- a. What is IMS?
- b. 3Gpp Rel 5 Architecture.
- c. IMS functionalities.