

Dronacharya College of Engineering, Gurgaon

Department of Electronics and Computers Engineering

Subject: Telecommunication – Switching and Networks (EC-818-F)

Semester: VIII/ Branch: ECS

Important Questions

Section A

1. What is Basic Switching System.
2. Define Telecommunications Transmission in detail.
3. Elaborate Simple Tele-phone Communication.
4. What is Electronic Switching – Space Division Switching.
5. Define evolution of switching systems and Stronger switching systems
Switching used in telecommunications cross bar switching.

Section B

1. Differentiate between Time multiplexed space switching, Time multiplexed
Time Switching.
2. Differentiate between Time Division space switching, Time Division Time
Switching
3. What is Combination Switching Control of Switching Systems

4. Short note on Call processing functions, common control
5. Elaborate stored program control.

Section C

1. What is Speech Digitization and Transmission.
2. Define Quantization Noise.
3. Describe Companding and Differential Coding.
4. What are Vocoders, Pulse Transmission, Line Coding.
5. Differentiate between NRZ and RZ Codes.

Section D

1. What is Data Networks.
2. Define Data transmission in PSTNs.
3. Describe Switching Techniques for data transmission.
4. Short note on Data communication architecture.
5. Define Satellite based Data networks in detail.