

**Dronacharya College of Engineering, Gurgaon**

**Department of Electronics and Computers Engineering**

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

**Semester: VIII/ Branch: ECS**

---

**Short Answer questions**

**Section A**

1. Telecommunications Transmission types.
2. Basic Switching System is based on which strategy.
3. Simple Tele-phone Communication strategy.
4. Evolution of switching systems .
5. Difference between Electronic Switching – Space Division Switching.

**Section B**

1. What is difference between Time multiplexed space switching, Time multiplexed Time Switching.
2. Difference between Time Division space switching, Time Division Time Switching
3. What is Combination Switching Control of Switching Systems
4. Define on Call processing functions, common control

5. Elaborate stored program control.

### **Section C**

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

### **Section D**

1. What is Telephone Networks and Signalling.
2. Elaborate Subscriber loops systems and Switching hierarchy.
3. Define Transmission and Numbering plans.
4. What is Common channel signalling principles.
5. Describe CCITT Signalling System.