

Dronacharya College of Engineering, Gurgaon

Department of Electronics and Computers Engineering

Subject: Satellite Communication (EC-812-F)

Semester: /Branch: VIII ECS

Important Questions

Section A

- Q1 What do you understand by geostationary satellite?
- Q2. Discuss the need of a satellite in communication system?
- Q3. How many satellites are required to cover the whole globe?
- Q5. Differentiate between Active & Passive satellites?
- Q6. Discuss the ionospheric effects on link design?
- Q7. Explain SCPC in detail with diagram?

Section B

- Q1 Explain Link design in satellite communication?
- Q2. Discuss the earth station parameters in detail?
- Q3. Explain FDM technique?
- Q4. Explain System noise temperature, give its derivation?
- Q5. Explain Companded signal Side Band System?
- Q6. Discuss the digital link designing concept.

Section C

- Q1 Explain Link design in satellite communication?
- Q2. Discuss the earth station parameters in detail?
- Q3. Explain FDM technique?
- Q4. Explain System noise temperature, give its derivation?
- Q5. Explain Companded signal Side Band System?
- Q6. Discuss the digital link designing concept.

Section D

- Q1. Write short note on: BDS & INTELSAT.
- Q2. Describe Lower earth orbit?
- Q3. Discuss the concept of satellite communication with respect to optical fiber communication.
- Q4. Explain Link Analysis & beam acquisition.