

1. Explain about the Satellite Antennas (or) Classify the types of antennas used on satellites and discuss their features and antenna patterns.
2. Explain how altitude control is established through various satellite stabilization techniques.
3. Discuss in detail the working of an attitude and orbit control sub-system of a satellite
4. What is TT&C sub system? Explain it with neat diagrams
5. Give an over view of a communication sub-system and show the block diagrams of a single conversion and double conversion transponders
6. Explain the role of a transponder in satellite communication. Also draw the simplified diagram of a double conversion transponder for 14/11 GHz band.
7. What are the various power systems used for satellites? Explain