



6. a) Write short note on 8  
i) Medium Earth Orbit (MEO) satellites  
ii) Orbital Slots
- b) Write a short note on Kepler's Laws for satellite communication. 8
7. a) Write short note on- 8  
i) Geo-synchronous Earth Orbit (GEO) satellites  
ii) Low Earth Orbit (LEO) satellites
- b) Write short note on- 8  
i) Azimuth Angle of satellite  
ii) Orbital Perturbations

**OR**

8. a) i) Explain the method of Spinning the satellite. 8  
ii) Explain in brief about ELV and RLV used for launching satellites.
- b) Explain- 8  
i) Satellite Power System  
ii) TTCM Subsystem
9. a) List the three types of multiple access techniques. Explain any one in detail. 8
- b) Explain types of Transponders. 8

**OR**

10. a) Explain the Link budget calculations for Uplink phenomena. 8
- b) Receive Only Home TV System. 8

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