

6.
 - a) What is G/T ratio of a satellite link? Derive the expression for it.
 - b) Explain the Doppler frequency shift phenomenon and derive the expression of Doppler shift in satellite communication.
7.
 - a) Explain VSAT in detail.
 - b) Explain briefly about the transmitters and receivers used in satellite earth station.
8.
 - a) Draw the block diagram of GPS receiver and explain its operation.
 - b) What are the different multiple access techniques used in satellite communication?