

BEC-252

B. Tech.
Year: II Semester: 4th
Assignment – 5 : 2022-2023
Principles of communication systems

Q.1	Calculate the power saving in DSB-SC signal and SSB-SC signal
Q.2	When broadcast modulated signal is transmitted 50%, its antenna current is 12A. What will be the current modulation depth (modulation index) if increased by 0.29, proof that broadcast transmitter transmitted the maximum average power by an antenna is 1.5 times carrier power.

Assignment – 6

Q.1	Explain types of FM and describe frequency response.
Q.2	Describe Phase discrimination method for FM detector.