**SHARDA UNIVERSITY**

**SCHOOL OF ENGINEERING AND TECHNOLOGY**

**DEPARTMENT OF ECE AND EEE**

**ANALOG &DIGITAL COMMUNICATION (EEE327)**

**DATE OF SUBMISSION: 15/02/2018**

**ASSIGNMENT 1**

1. In an FM system, if mf is doubled by halving the modulation frequency, what will be the affect on maximum deviation.
2. Define amplitude modulation and modulation index? Use a sketch of a sinusoidal modulated AM waveform.
3. A broadband radio transmitter radiates 10KW when the modulation percentage is 60. How much is carrier power?
4. Discuss various components of noise.
5. Explain advantages and disadvantages of SSB over Am.