**SHARDA UNIVERSITY**

**SCHOOL OF ENGINEERING AND TECHNOLOGY**

**DEPARTMENT OF ECE AND EEE**

**ANALOG AND DIGITAL COMMUNICATION (EEE327)**

**QUIZ 2**

1. What is angle modulation? Compare FM and PM.
2. A receiver connected to an antenna whose resistance is 80Ω has an equivalent noise resistance of 30Ω. Calculate F in dBs and equivalent noise temperature.
3. Find the carrier and modulating frequency, the modulation index and maximum deviation of an FM wave V= 12sin (6 X 108t +5sin1250t). What power this FM wave dissipates in 10Ω resistor.
4. List sources of noise? What is the strongest source of noise?