

1. DM system:
 - (a) Draw the block diagram of DM system.
 - (b) Briefly describe what **slope-overload distortion** and **granular noise** are.
2. TDM system:
 - (a) Draw the block diagram of TDM system
3. Delta-sigma modulation system:
 - (a) Draw the block diagram of Delta-sigma modulation
 - (b) Explain the function of each block in (a)
 - (c) Illustrate the advantage of the Delta-sigma modulation compared with DM system.