

Imp topics

DATE		

- 01) Explain limit cycle. Define the terms zero input limit cycle, overflow limit cycle, granular limit cycle.
- 2) Rounding & Truncation - Explain
- 3) Deadband problem & definition
- 4) What is DSP
- 5) Types of architecture in DSP
- 6) Super Harvard Architecture (SHARC)
- 7) DSP vs Microcontroller
- 8) VLIW
- 9) What is multirate sampling. Give examples
- 10) Explain methods of multirate sampling
- 11) Features of DSP
- 12) Applications of DSP (Radar)

DSP

Q. What upsampling and its effect on spectrum of discrete time signal

Assume upsampling by factor-2

Q. Radar & Speaker Recognition.

Q. Deadband $2^{-b}, |a|$