

**UNIT V****PART A 2marks**

- 1) Give some example of DSP
- 2) Explain Interpolation
- 3) Explain decimation
- 4) What is know to be subband coding
- 5) Define sampling rate conversion
- 6) How the image enchancement is achieved using DSP
- 7) Define compression
- 8) What are various compression technique
- 9) Explain subband coding
- 10) Define vocoders
- 11) Explain adaptive filtering

**Part B 16Marks**

- 1) Explain the concept of deciation by a factor D and interpolation by factor I
- 2) With help of equation explain sampling rate conversion by a rational factor I/D
- 3) Explain the following application
  - i) speech compression
  - ii) sound processing
- 4) With help diagram explain adaptive filtering process
- 5) Explain speech vocoders and subband coding
- 6) Explain how image enchancement was achieved