- 35. a) Derive the transfer fruition of los pass filter and plot its frequency response
  - Design a low pass filter with a with of 8.
  - a) Derive the transfer function of high pass fiter and plat its brequery nesport 36.
    - a) Design a high pass filter with a most entoff brequery of 10 kHz and pass band gan of (o.
  - Design a wagter resister DAC for the input 11011. Find the output witage, 37. VR= 20V, RF=R.
  - Englan the operation of thema bit R-2R ladder DAC and And the output voltage for the following 38-VFS = 15 V imputs a) 100 b) 101.
    - Englan the operation of parallel Comparator (Flash) a A 10 converter