block diagram of high level Graw the bearsmitter and explain the operation blocks. of marious AM transmitter takes the audiolony signal as an input and ideliwers amplitude modulated mave to the artima as an output to be transmitted. In high level modulation, modulation takes place in the final stage of amplification, and therefore the modulation circuitry has to hardle high power. Bardpan Pouamplyin Modulating Modulating signal futur signal drive camplyier Modulaling signal power

Arterna complifies AM modulator Bandpas Madehing and pulput Filtes Network pour amplifier RF carocier Buffer Carrie Caviler pour escullator amplyin duius amplifies

i) Modulating Signal Rath: =) Modulating Signal Source provides the original signal to be transmitted. Dire it has low power, it requires camplification. =) Bandpass Filter sumours unwarded noise and frequencies outside the orequired bandwidth. Only the newsary frequency nomponents of the signal is used for modulation. => Pruamplifier amplifies the filtered modulating signal. It provides impedance =) Modulating signal driver samplifies matching. the information signal to an adiquate dwel to drive the modulator. The power amplifies samplifies

the modulating signal to a high power

the modulating signal to a high power

the modulating signal to a high power level. This ensures that sufficient modulation under us achieved. a stable high-frequency reading coveries ii) Lavorier signal Path: - Buffer amplifier prevents mariations is the oscillator circuit. It matches impedance levels between circuit.

- =) lavier Donier complifies the cavier signal before sending it to power amplifier. It unswas the cavier has sufficient pour for modulation.
- =) The power amplifier amplifies the carrier signal do a high power level.
- iii) Modulation and Leansmission.
- => AM modulator modulates the signal. The modulating signal and cavitis signal are combined. The complitude of the carrier maries according to the modulating signal
- =) The bandpass filter, filters out unuanted harmonies.
- =) The matching returock matches
  the impedance between the treansmitted
  output and the antenna. =) Antirra concorts the electrical
- signal into electromagnetic macures.