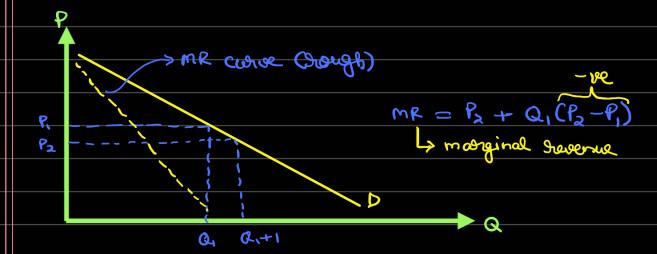
- → menopoly —
- . One producer/seller in the market
- · Lange number of consumors



- · monopoly is considered to be evil of the society.

 They actually don't have pouse to charge any price, they are constrained by the consumers demand curve.
- -> How prices one charged in monopoly?

Profit maximisation.

$$T_{max} = PQ - CQ$$

whose the inverse demand junch is Pa)

$$\prod_{\alpha} = P(\alpha) \alpha - C(\alpha)$$

(F) more graph) Rev. $(Q_1) = P_1Q_1$ $Rev. (Q_1+1) = P_2 (Q_2+1)$ $\Rightarrow mR = P_2 (Q_1+1) - P_1Q_1$

$$\max_{\alpha} T = p(\alpha) \alpha - c(\alpha)$$

$$\Rightarrow \frac{d\pi}{da} = P(a) + a \frac{dP(a)}{da} - \frac{dC(a)}{da} = 0$$

$$\Rightarrow P(\alpha)\left[\left(+\frac{Q}{P(\alpha)}\frac{dP(\alpha)}{d\alpha}\right) - mc = 0$$

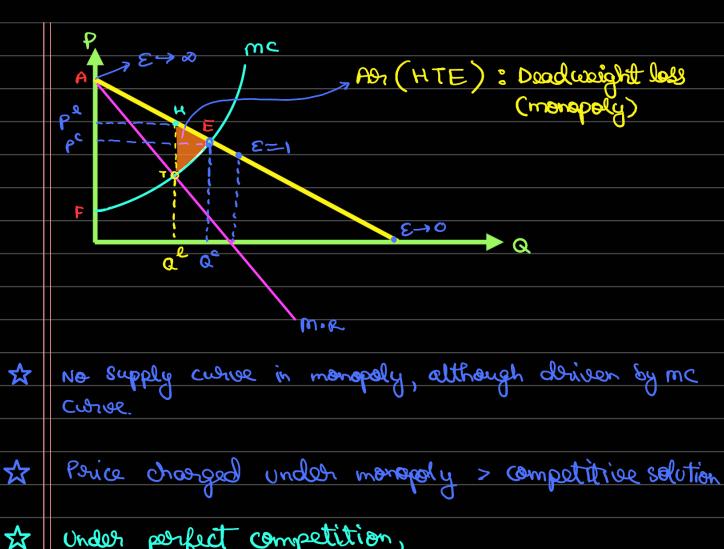
$$\Rightarrow P(a) \left[1 - \left(-\frac{da}{dP} \times \frac{P}{a} \right) \right] = mc$$

$$\Rightarrow P(a) \left[1 - \frac{1}{\varepsilon} \right] = mc$$

If
$$mc > 0 \Rightarrow P(Q) \left[\frac{1}{\epsilon} \right] > 0$$

But P(0) >0 always

Rational profit maximising manapolist will always sell in an alastic market.



公 Under perfect competition,

under monopoly, 公

