HW

Q: Distinguish between the concept of knowing acids and bases on basis of Arrehenious theory and Lewis theory.

Arrhenious theory	Lewis theory
(i) According arrhenious theory acid produces H^+ ions wher dissolved in water.	(ii) According lewis theory acid produces and accepts a pair of electrons.

(ii) Bases forms hydroxy -l ions wher dissolved	(i) Bases candonate a pair of electrons according to lewis theory.

Q: Although NH_3 doesn't contain any OH-ions still it behaves as a base Why?

Ans Although NH_3 doesn't contain any OH^- ions but wher dissolved in water $NH_3 + H_2O \longrightarrow NH_4OH$ which produces OH^- ions. SO, NH_3 behaves as a base.

Q: What is the Ox state of K-atom in a potassium permanganate?

Ans $K^{+1} M_n^{+7} O_4^{-2}$

So, the Ox state of potassium permanganate atom is (+1).