

FEBRUARY							41
W	M	T	W	T	F	S	S
4		1	2	3	4	5	6
7	8	9	10	11	12	13	14
17	18	19	20	21	22	23	24
27	28	29	30	31			

JANUARY
THURSDAY

13
11/3/11/3/11/1

It is not very soluble in water. It decomposes on heating.



It has intense colour. The intense colour is due to charge transfer.



It has temperature dependent paramagnetism.

MnO_4^- → Paramagnetic.

Manganate ion

MnO_4^{2-} → Diamagnetic.



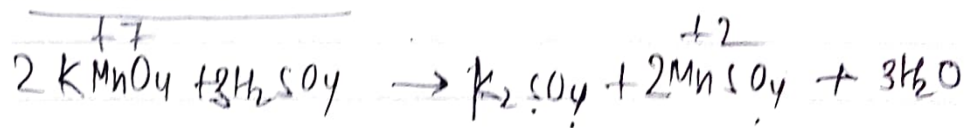
no of unpaired e = 1



no of unpaired e = 0

$KMnO_4$ acts as a strong oxidising agent in acidic, alkaline and neutral medium.

In acidic medium:



+ 5CO₂

No. of oxygen 2011

MnO_4^- → Mn^{2+}
Permanganate ion → Manganous ion

