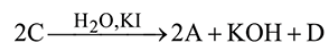
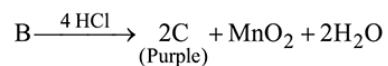
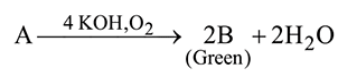


## JEE Mains 2019 Chapter wise Question Bank

## Qualitative Analysis - Questions

Q1



In the above sequence of reactions, A and D, respectively, are:

- (1) KI and  $\text{KMnO}_4$     (2)  $\text{MnO}_2$  and  $\text{KIO}_3$   
(3)  $\text{KIO}_3$  and  $\text{MnO}_2$     (4) KI and  $\text{K}_2\text{MnO}_4$

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Q2

Thermal decomposition of a Mn compound (X) at 513 K results in compound Y,  $\text{MnO}_2$  and a gaseous product.  $\text{MnO}_2$  reacts with NaCl and concentrated  $\text{H}_2\text{SO}_4$  to give a pungent gas Z. X, Y, and Z, respectively, are :

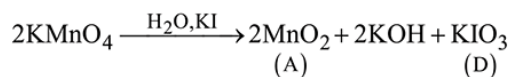
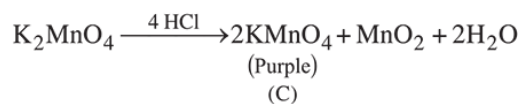
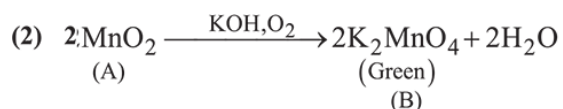
- (1)  $\text{K}_3\text{MnO}_4$ ,  $\text{K}_2\text{MnO}_4$  and  $\text{Cl}_2$   
(2)  $\text{K}_2\text{MnO}_4$ ,  $\text{KMnO}_4$  and  $\text{SO}_2$   
(3)  $\text{KMnO}_4$ ,  $\text{K}_2\text{MnO}_4$  and  $\text{Cl}_2$   
(4)  $\text{K}_2\text{MnO}_4$ ,  $\text{KMnO}_4$  and  $\text{Cl}_2$

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## JEE Mains 2019 Chapter wise Question Bank

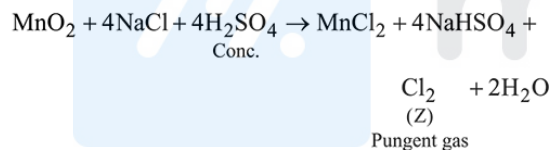
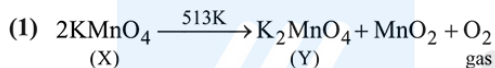
## Qualitative Analysis - Answers

Q1



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Q2



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