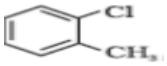
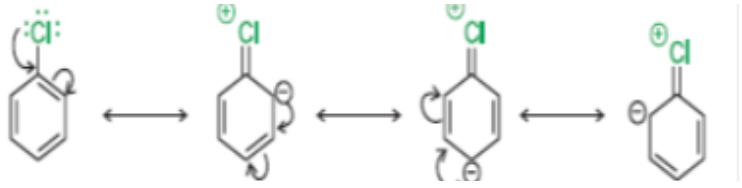
CLASS: XI	**INDIAN SCHOOL MUSCAT** **SECOND PERIODIC TEST**	SUBJECT:CHEMISTRY
	SET - C	
QP.NO.	VALUE POINTS	SPLIT UP MARKS
1.	c)+8	1
2.	b) $(CH_3)_3C^+$,	1
3.	Redox couple	1
4.	TLC	1
5.	• allows the flow of current by completing the circuit. • It maintains electrical neutrality	1
6.	a)  b) 4- Iodopent-2-ene	1 1
7.	E^0 cell = $E_{cathode}$ - E_{anode} = (-0.25)- (- 2.87)=2.62V Ca/ Ca^{2+} ‖ Ni^{2+}/ Ni	1 1
8.	i. 1-Hydroxyhexan-2-one ii. Methoxybutane	1 1
9.	MnO_4^-+ $4H^+$ +3e- → MnO_2+ $2H_2O$ Br^- + $3H_2O$ → BrO_3^- +$6H^+$+ $6e^-$ $2MnO_4^-$+ Br^- + H_2O ⟶ $2MnO_2$ + BrO_3^- + $2OH^-$	1 1 1
10.	a) known mass of an organic compound is heated with fuming nitric acid in the presence of silver nitrate. Carbon and hydrogen present in the compound are oxidized to carbon dioxide and water. The halogen present forms the corresponding silver halide. It is filtered, dried, and weighed. From the mass of AgX , percentage of halogen can be calculated. b) H_2O, $(CH_3)_3N$ -Nucleophiles Cl^+, BF_3 - Electrophiles	2 ½+½
11.	i. CH_3-CH_2-OH and CH_3-O-CH_3 ii. Polarisation of sigma bond by the polarization of adjacent sigma bond iii. 	1 ½ 1½