

CLASS : 12	INDIAN SCHOOL MUSCAT FIRST PERIODIC ASSESSMENT	CHEMISTRY
	SET - B	
QP.NO.	VALUE POINTS	SPLIT UP MARKS
1.	Correct structure	
2.	on reaction with aqueous solution of KOH followed by dil HNO <sub>3</sub> and AgNO <sub>3</sub> solution chloro ethane would give white ppt ,chlorobenzene would not	1
3.	3-bromopropene	1
4.	a) 1-Bromo-1- (4-chlorophenyl) 3-methylbutene b) 1-chloro-2,2-dimethylpropane	1x2
5.	a) NaNO <sub>2</sub> +HCl and Cu <sub>2</sub> Br <sub>2</sub> b) PCl <sub>5</sub> +KCN	$\frac{1}{2}+\frac{1}{2}$ $\frac{1}{2}+\frac{1}{2}$
6.	a) CH <sub>3</sub> ONO b) C <sub>2</sub> H <sub>6</sub>	1x2
7.	a) Fittig reaction b) Friedel-Craft's alkylation of chlorobenzene(Correct equations)	2
8.	a) Boiling point decreases with increase in branching due to decrease in surface area of contact and van der waals force of attraction b) Forms phosgene on reaction with oxygen in presence of light c) Halogens are deactivating due to inductive effect but 'o, p' directive due to resonance effect	1x3
9.	<p>Optically active compound</p> <p>(+)-Butan-2-ol</p> <p>(-)-Butan-2-ol</p>	<p>1 1</p> <p>1</p>
10.	Definitions a) Zaitsev rule b) Freons c) Enantiomers	1x3