71.	In which of the following hydrogen bond is present?			
	(1) H_2	(2) Ice	(3) Sulphur	(4) Hydrocarbon
72.	Which contains a coordinate and covalent bond?			
	(1) BaCl ₂	(2) NH ₄ Cl	(3) HCl	(4) H_2O
73.	Which of the following does not contain coordinate bond?			
	$(1) BH_4^-$	(2) NH_4^+	(3) CO_3^{2-}	(4) H_3O^+
74.	C - C bond order in benzene is			
	(1) 1	(2) 2	(3) Between (1) and (2)	(4) 3
<i>7</i> 5.	The increase in bond order results in:			
	(1) Decrease in bond length and increase in bond energy			
	(2) Decrease in bond length and bond energy			
	(3) Increase in bond length and bond energy			
	(4) None of the a	bove		
76.	In the molecule $CH \equiv C - CH = CH_2$, the hybridisation of $C - C$ bond is			
	(1) $sp^2 - sp$	(2) $sp^3 - sp^3$	(3) $sp^2 - sp^2$	(4) $sp^3 - sp$
77.	The sequence that correctly describes the relative bond strength pertaining to oxygen molecule			
	and its cation or	anion is		
	(1) $O_2^{2-} > O_2^- > O_2$	$_{2}>O_{2}^{+}$ (2) $O_{2}^{+}>O_{2}>O_{2}^{2-}>O_{2}^{-}$	(3) $O_2 > O_2^+ > O_2^- > O_2^{2-}$	(4) $O_2^+ > O_2 > O_2^- > O_2^{2-}$
78.	Which species has the maximum number of lone pair of electrons on the central atom?			
	(1) $[ClO_3^-]$	(2) <i>XeF</i> ₄	(3) SF_4	(4) $[I_3^-]$
79.	Which one of the following compounds has bond angle as nearly 90°?			
	(1) NH ₃	(2) H_2S	(3) H_2O	(4) CH ₄
80.	CO ₂ has the same geometry as:			
	$(A)BeCl_2$	$(B)NO_2$	$(C)SnCl_4$	$(D)C_2H_2$
	(1) <i>A</i> and <i>C</i>	(2) <i>B</i> and <i>D</i>	(3) <i>A</i> and <i>D</i>	(4) <i>C</i> and <i>D</i>