

**Section A****Discipline: Chemical****Group: Water****Description:** Water is clear without any sediments, suspended particles and extraneous matter.**{#samples}**

S. No.	Name of the Test	Test Method	Requirement		Unit	Observation/ Results
			Acceptable Limit	Permissible Limit		
Organoleptic & Physical Parameters						
1	pH value (at 25 <sup>o</sup> C)	IS 3025 (P-11)	6.5-8.5	No relaxation	-	{pH}
2	Total Dissolved Solid	IS 3025 (P-16)	Max 500	Max 2000	mg/l	188
3	Turbidity	IS 3025 (P-10)	Max 1.0	Max 5.0	NTU	<1.0
General Parameters Concerning Substance Undesirable						
4	Chloride (as Cl)	IS 3025 (P-32)	Max 250	Max 1000	mg/l	17.61
5	Total hardness (as CaCO <sub>3</sub> )	IS 3025 (P-21)	Max 200	Max 600	mg/l	23.52
6	Total alkalinity (as CaCO <sub>3</sub> )	IS 3025 (P-23)	Max 200	Max 600	mg/l	16.16
7	Sulphate (as SO <sub>4</sub> )	IS 3025 (P-24)	Max 200	Max 400	mg/l	1.014
8	Nitrate (as NO <sub>3</sub> )	IS 3025 (P-34)	Max 45	No relaxation	mg/l	0.009
9	Flouride (as F)	IS 3025 (P-60)	Max 1.0	Max 1.5	mg/l	Not Detected