

## Engineering Chemistry Lab, MID-I

Course code		Question Description.
19BT1BS32	easy	Hardness of water conventionally expressed in terms of equivalent amounts of ..... <b>Ans:CaCo3</b>
19BT1BS32	easy	Which of the following is the unit of hardness <b>Expected ans:</b> <b>1.mg/l</b> <b>2.ppm</b> <b>3. m eq/lit</b> <b>4. °Fr</b> <b>5. °Cl</b>
19BT1BS32	easy	Which of the following is used as a indicator in estimation of hardness of water by EDTA method <b>Ans: Eriochrome black T indicator(EBT)</b>
19BT1BS32	easy	Harness of water is due to the presence of salts of ..... <b>Ans:calcium and magnesium salts</b> <b>Eg:CaCl2,MgCl2,CaSo4,MgSo4,FeSo4,Al2(So3)2,Ca(HCo3),Mg(HCo3)</b>
19BT1BS32	medium	EDTA method is also called as <b>Ans: Complexometric Titration</b>
19BT1BS32	easy	Name the indicator used in estimation of residual chlorine in water sample.
19BT1BS32	medium	Which of the following Chlorine serves as a disinfectant
19BT1BS32	medium	The permissible limit of residual chlorine is <b>Ans: 5 mg/l</b>
19BT1BS32	easy	Which of the following indicator give pink colour in basic medium <b>Expected Ans:Phenolphthalein</b>
19BT1BS32	easy	Ability of water to neutralize acid is known as <b>Ans: Alkalinity</b>

19BT1BS32	easy	Alkalinity is due to the presence of <b>Ans: Carbonates , Bicarbonates, Hydroxide ions</b>
19BT1BS32	easy	Role of methyl orange in alkalinity of water is <b>Ans: Acts as a Indicator which changes into Orange to Pink</b>
19BT1BS32	easy	pH =
19BT1BS32	easy	Name the electrode used in pH meter. <b>Ans: Silver Chloride Electrode</b>
19BT1BS32	easy	What is the pH value of pure water. <b>Ans: 7</b>
19BT1BS32	medium	Acidic Buffer is a mixture of <b>Ans: 1. Weak Acid and one of its one of its salts</b> <b>Eg: acetic acid and Sodium acetate</b>
19BT1BS32	easy	The reciprocal of resistivity of <b>Ans: Conductivity</b>
19BT1BS32	easy	Unit for conductance is <b>Ans: Seimens</b>
19BT1BS32	easy	On dilution the specific conductance is <b>Ans: Decreases</b>
19BT1BS32	medium	Pure water does not conduct electricity because it is <b>Ans: 1. It doesn't contains ions</b> <b>2. almost unionised</b>