Ether meather. **Question 25** (5 marks) [DO] LBOIT What is the relationship between dissolved oxygen and biochemical oxygen demand 5 and why is it important to monitor both in natural ways? DIJICING CXYDEN I the amount of oxygen divided in 11 of beging column in and biochemical oxygen demand in the amount a coxygen required for metabolism of microbe over a period of 5 days at 20.0 and in dorkness DO can be recovered by a chyaen remitte piche Winkler method and indicate the amount of exposer available for metalicitim and photosymmetri of aquatre plant in waterways. A DO I reduced for maximum functioning and a lock of 100 can read to death of aquatic arganing, which will form organic mater which are decomposed to produce cuanobactera, unich release twin , no degrading the audity of the water. BOD I measured by measuring not DO and picture to sample incorported at 20.0 and and in darkness Ave days and actions meaning D). The BOD or prepulational to intial DO - tiral DO. PETE through to there. monitaing 26 D 70 BCP high in constaction with DC  $\alpha$ Ct . Craterically in Extensial Do can lead to death of one aquedic life. Monitory mall but reletter to meeturing outerphicoutish level, or R all Bob and will indicate excert p and high BCD DO 100 growth of algae puduced by an algal iscens martering by meaning ectrophication or PCCM DSCD. (an and  $\Omega$ procure earling it theorises eauth 1 an abal thu mathtalke quality of vider.