P.M.B.2002, AGO-IWOYE, OGUN STATE FACULTY OF SCIENCE DEPARTMENT OF MICROBIOLOGY 2012/2013 HARMATTAN SEMESTER EXAMINATION COURSE TITLE BACTERIOLOGY INSTRUCTION: ATTEMPT ANY TWO QUESTIONS IN EACH SECTION Time: Hu : 3 smms la. State the step by step procedure for the preparation of 16g/500ml of Nutrient agar for a b. Describe how you can obtain a pure culture of a named organism from different types of pure water being sold on the campus. List five methods that can be used to preserve microbial cultures. Discuss how any three out of the following factors can influence the growth of bacteria. (iv) Oxygen requirement. (iii) Osmotic pressure (ii) pl4 (i) Temperature 36. Define bacterial growth. -b. Describe, with the aid of a well labeled graph, the stages in olved during a back rial growth "Highlight the differences between the L-forms and mycopl. and State five (5) distinguishing features of prokacycles Describe the Leilewise: Oxygenic Phetotrophic Bacteria (ii), Endempore-freming Bacteria (iv). Phonyl Dear issued Test Tween 50 Hydrolynis Test (v) A water source change led to your apartment is not to be troofed for faccal contaminants. Highlight the steps to be taken in order to assertain that the water is possible from micro's ological 6. point of view.