OLABISI ONABANJO UNIVERSITY DEPARTMENT OF BIOCHEMISTRY 2014/2015 HARMATTAN SEMESTER EXAMINATION COURSE CODE: BCH 401 TIME ALLOWED: 3 HOURS COURSE TITLE: Advanced Enzymology DATE: Wednesday, 24th June, 2014 STRUCTION: Answer any five (5) questions. (a) Discuss the molecular models of Allosterism. (b) What are regulatory enzymes? (a) Write a short note on Enzyme Assay. ~ (b) Name five instruments used in measuring enzyme activities. (a) Write a short note on enzyme reconstitution. (b) Name five (5) factors that can denature an enzyme. (a) Differentiate between a multi-enzyme complex and a multi-enzyme system. (b) With a named example, describe the mechanism of action of a multi-enzyme, complex. (a) Differentiate between Steady and Transient State Kinetics. (b) Explain the methods used in measuring the Transient State Kinetics. Write a short note on five (5) criteria for determining the purity of an enzyme. Enzyme activities and synthesis are regulated. (a) Why? (b) How?