

Course Code: BCH 401

Course Title: Advanced Enzymology

Time Allowed: 2 hours

Instruction: Answer any four questions

Date: 28/02/2017

- ✓1. (a) Why is Steady State kinetics different from Transient state kinetics?
(b) Explain the flow and relaxation techniques of measuring Pre-Steady State kinetics
2. (a) Write a short note on (i) Covalent (ii) Acid-Base (iii) Electrovalent Catalysis
(b) Explain the concerted and sequential models of allosterism
- ✓3. (a) Given a tissue from which to purify a known enzyme, how would you convince your Supervisor the enzyme is pure after purification?
(b) Differentiate between Direct and Coupled Assay
- (a) Write a short note on the agents of Renaturation and Denaturation of enzymes
(b) Differentiate between Multi-enzyme complex and Multi-enzyme system
(c) With a named example, explain the Multi-enzyme complex
- (a) Give cogent reasons for the regulation of enzyme activity and synthesis
(b) Write a short note on Regulatory Enzymes

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