



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2009/2010

INSTITUTIONAL BASED PROGRAMME

EXAMINATION FOR THE DEGREE OF MASTER OF SCIENCE

SZL 524: ENZYME SYNTHESIS & CONTROL

DATE: THURSDAY, 29TH APRIL 2010

TIME: 2.00 P.M. - 5.00 P.M.

INSTRUCTIONS: All questions carry equal marks. Illustrate your answers with diagrams wherever appropriate. Answer any **FOUR** questions.

1. a) Explain the concept of a domain.
 b) Describe the forces involved in protein stabilization.
2. Give an account of gene translation.
3. Write an essay on cofactors and coenzymes.
4. Discuss cellular strategies for altering activities of various enzymes.
5. Discuss the effects of mutation on protein structures and functions.
