



KENYATTA UNIVERSITY
UNIVERSITY EXAMINATIONS 2010/2011
INSTITUTIONAL BASED PROGRAMME (IBP) (AUGUST SESSION)
EXAMINATION FOR THE DEGREE OF MASTER OF SCIENCE
SBT 534: GENOME ORGANISATION AND REGULATION

DATE: Monday 2nd January 2012

TIME: 9.00a.m – 12.00p.m

INSTRUCTIONS:

Answer any FOUR questions. All questions carry equal marks (25 marks each)

1. Discuss unique and repetitive DNA sequences in eukaryotic organisms.
2. Describe various control levels of regulating gene expression in eukaryotes.
3. Explain polypeptide targeting and sorting in eukaryotic organisms.
4. Outline the main features of the Human Genome Project (HGP).
5. Write an essay on the genetic systems of viruses and bacteria.