



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2011/2012

INSTITUTIONAL BASED PROGRAMME (IBP) – DECEMBER SESSION

EXAMINATION FOR THE DEGREE OF MASTER OF SCIENCE

SBT 539: SPECIAL TOPICS IN GENETICS

DATE: WEDNESDAY, 2ND MAY 2012

TIME: 9.00 A.M – 12.00 NOON

INSTRUCTIONS: Answer any **FOUR** questions in separate answer books provided.

Write an essay on:

1. Recent advances in genetic engineering in the areas of Medicine Agriculture and Forestry.
2. DNA fingerprinting as utilized in forensic science, human migration procedures and in livestock and pets pedigree confirmation.
3. Discuss various methods used in crop improvement.
4. Discuss heterosis and its application in agriculture.
5. Discuss human sex determination and gender assignment as related to participation in various games, sports, marriage and in schooling and training.

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