



KENYATTA UNIVERSITY
UNIVERSITY EXAMINATIONS 2007/2008
INSTITUTE OF OPEN LEARNING
EXAMINATION FOR THE DEGREE OF
BACHELOR OF SCIENCE AND BACHELOR OF EDUCATION

SBT 420: BIOTECHNOLOGY

DATE: Friday 11th January 2008

TIME: 3.30pm – 5.30pm

REG. NO.

INSTRUCTIONS:

Answer ONE question in Section B in the answer book provided and ALL questions in Section A in the spaces provided

Section A – Short answer questions – (5 marks each)

1. List main categories of organisms currently used in biotechnology.

4. Name types of enzymes that manipulate DNA

5. Justify use of DNA fingerprinting in human identification

Section B: Essay and Essay-type questions – (30 marks)

1. Discuss the manufacture of a human food, drink or beverage using biotechnology.
2. Describe the discoveries that made genetic engineering possible.
3. Giving examples, describe various fermenter designs that are used in less developed economies.

=====