



1ST SEM. 2006/2007

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UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

PROGRAMME: B.SC. IN AGRONOMY YEAR 3 AND B.SC. IN
HORTICULTURE YEAR 3

COURSE CODE: CP 301

TITLE OF PAPER: CROP BREEDING

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER QUESTION 1, WHICH IS
COMPULSORY AND ANY OTHER TWO (2)
QUESTIONS

DO NOT OPEN THIS PAPER UNTIL PERMISSION HAS BEEN GRANTED BY
THE CHIEF INVIGILATOR

QUESTION 1

What are the merits and demerits of biotechnology and bio-economy in improving human life (40)

QUESTION 2

Write short notes on the following scientists and specifically point the significant contribution they have made in our understanding of plant breeding today

- a) Johannsen
- b) East
- c) Nilsson-Ehle (30)

QUESTION 3

Write an essay on crop reproductive systems (30)

QUESTION 4

Compare and contrast pedigree and bulk methods of handling genetically segregating populations improvement programs (30)