



SUPPLEMENTARY 2006/2007

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UNIVERSITY OF SWAZILAND

SUPPLEMENTARY 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

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THE CHIEF INVIGILATOR**

QUESTION 1

What has conventional plant breeding have done to improve the lives of the human being versus biotechnology (40)

QUESTION 2

a) Describe Mendel experiments and the subsequent laws governing particulate inheritance (30)

QUESTION 3

Describe in full the experiments which Johannsen and East undertook to demonstrate the concepts of qualitative and quantitative inheritance (30)

QUESTION 4

What are the genetic consequences of crop hybridization (30)