



1st SEMESTER 2017/2018

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UNIVERSITY OF SWAZILAND

MAIN EXAMINATION PAPER

**PROGRAMME: BACHELOR OF SCIENCE IN
AGRONOMY YEAR 3**

COURSE CODE: CPR 303

TITLE OF PAPER: FIELD EXPERIMENTATION

TIME ALLOWED: TWO (2) HOURS

INSTRUCTION: ANSWER ALL QUESTIONS

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[c] If the researcher wishes to apply 450 kg/ha of a compound fertiliser [2-3-2 (38)] and 25 kg/ha of nitrogen, how many grams of the compound fertiliser should the researcher apply per plant?

(6 Marks)

[d] If the source of nitrogen is LAN, how many grams of LAN should the researcher apply per plant?

(6 Marks)

[25 Marks]

QUESTION 4

What is the difference between the following pairs of words/terms. Use illustrations/examples where necessary. for your answers. Each question carries five marks.

- [a] Net plot and gross plot
- [b] Correlation and regression
- [c] One factor and factorial experiments
- [d] Completely randomized and randomized complete block design
- [e] Replication and randomization

(25 Marks)