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1st SEMESTER 2017/2018

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UNIVERSITY OF SWAZILAND

MAIN EXAMINATION PAPER

**PROGRAMME: BACHELOR OF SCIENCE DEGREE IN AGRONOMY
YEAR 4**

COURSE CODE: CP 402

TITLE OF PAPER: BIOFUEL CROP PRODUCTION

TIME ALLOWED: TWO (2) HOURS

INSTRUCTION: ANSWER ALL QUESTIONS

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

QUESTION 1

- [a] What is the difference between global warming and climate change? (9 Marks)
 - [b] In your own words, explain climate change and climate variability to an illiterate farmer in your homestead. (16 Marks)
- [25 Marks]

QUESTION 2

Write briefly on the following words/terms. Each question carries five marks.

- [a] Feedstocks for ethanol production.
- [b] USA Distillers.
- [c] Carbon credit.
- [d] Status of biofuel crop production in Swaziland.
- [e] Moringa as a biofuel crop.

[25 Marks]

QUESTION 3

Write an essay on cassava production for biofuel from land preparation up to and including harvesting. Use headings and subheadings in your essay.

[25 Marks]

QUESTION 4

- [a] What is carbon sequestration? (9 Marks)
- Discuss four types of carbon sequestration. (16 Marks)
- [25 Marks]