

UNIVERSITY OF SWAZILAND
DEPARTMENT OF GEOGRAPHY, ENVIRONMENTAL SCIENCE AND PLANNING
FINAL EXAMINATION, DECEMBER 2013
B. Sc., B.Ed

TITLE OF PAPER: AGRICULTURAL SYSTEMS

COURSE NUMBER: GEP 326

TIME ALLOWED: THREE (3) HOURS

INSTRUCTIONS:

- 1. ANSWER FOUR (4) QUESTIONS**
- 2. CHOOSE TWO (2) FROM EACH SECTION**
- 3. ILLUSTRATE YOUR ANSWERS WITH
EXAMPLES AND CLEARLY DRAWN DIAGRAMS
WHERE APPROPRIATE**

ALLOCATION OF MARKS: EACH QUESTION CARRIES 25 MARKS
: TOTAL MARKS FOR THE PAPER 100

**THIS PAPER SHOULD NOT BE OPENED UNTIL PERMISSION IS GRANTED BY
THE INVIGILATOR**

GEP 326 – AGRICULTURAL SYSTEMS – DECEMBER 2013

SECTION A: ANSWER ANY TWO (2) QUESTIONS

QUESTION 1

Discuss physical and socio-economic factors affecting farming. **(25 Marks)**

QUESTION 2

Using examples, explain why it is important for farmers to specialize and diversify their agricultural production. **(25 Marks)**

QUESTION 3

Describe the characteristic features of agriculture in areas of high population density. **(25 Marks)**

SECTION B: ANSWER ANY TWO (2) QUESTIONS

QUESTION 4

Discuss how climate influences crop production in the physiographic regions of Swaziland. **(25 Marks)**

QUESTION 5

Discuss the factors that may limit crop production and reduce evapo-transpiration. **(25 Marks)**

QUESTION 6

Explain how crop water requirement can be estimated. **(25 Marks)**