

**UNIVERSITY OF SWAZILAND**  
**DEPARTMENT OF GEOGRAPHY, ENVIRONMENTAL SCIENCE AND PLANNING**  
**FINAL EXAMINATION, DECEMBER 2015**  
**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 2015**

**SECTION A: ANSWER ANY TWO (2) QUESTIONS**

**QUESTION 1**

Discuss the effects of modernization on agriculture in sub-Saharan Africa. (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 the physical, socio-economic, and political factors affecting crop farming in a country in the Southern African Development Community (SADC) region. (25 Marks)

**QUESTION 5**

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

**QUESTION 6**

Using examples, explain how solar energy and available moisture influence plant growth and reproduction. (25 Marks)