



# MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS  
2018/2019 ACADEMIC YEAR  
FOURTH YEAR SECOND SEMESTER**

**SCHOOL OF BUSINESS AND ECONOMICS  
BACHELOR OF SCIENCE IN AGRICULTURAL  
ECONOMICS AND RESOURCES MANAGEMENT**

**COURSE CODE: AGR 482**

**COURSE TITLE: SURVEYING, SOIL AND WATER  
CONSERVATION**

**DATE: 23<sup>RD</sup> APRIL 2019**

**TIME: 8.30 -10.30 HRS**

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**INSTRUCTIONS TO CANDIDATES**

Question **ONE** is compulsory.  
Answer any other **THREE** questions.

*turn over.*

*This paper consists of 2 printed pages. Please*



## **QUESTION ONE**

**a)** Describe the effect of soils on water quality. **(8**

**Marks)**

**b)** Explain the social economic factors affecting soil erosion.

**(5 Marks)**

**c)** Highlight the benefits of windbreaks on soil properties. **(5**

**Marks)**

**d)** Describe classification of soil surveys. **(7**

**Marks)**

## **QUESTION TWO**

**a)** Define soil survey. **(3**

**Marks)**

**b)** Describe types of soil surveys.

**(12 Marks)**

## **QUESTION THREE**

Discuss the factors affecting;

**a)** tillage erosivity. **(8**

**Marks)**

**b)** landscape erodibility **(7**

**Marks)**

## **QUESTION FOUR**

Explain the following factors that affect water erosion.

**a) Climatic factors (9**

**Marks)**

**b) Vegetative factors (6**

**Marks)**

**QUESTION FIVE**

Explain the biological measures of erosion control.

**(15 Marks)**

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