



# **MAASAI MARA UNIVERSITY**

## **SUPPLEMENTARY UNIVERSITY EXAMINATIONS 2017/2018 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, 2018**

**TIME: 1100 – 1300HRS**

#### **INSTRUCTIONS TO CANDIDATES**

Question **ONE** is compulsory.

Answer any other **THREE** questions.

*This paper consists of 2 printed pages. Please turn over.*

1. a) Explain the Principles of Soil Survey. (4 Marks)
- b) Describe the effect of soils on water quality. (4 Marks)
- c) Explain the social economic factors affecting soil erosion. (5 Marks)
- d) Highlight the benefits of windbreaks on soil properties. (5 Marks)
- e) Explain the effect of soil properties on water erosion. (7 Marks)
2. a) Define soil survey. (3 Marks)
- b) Describe types of soil surveys. (12 Marks)
3. Discuss the factors affecting tillage erosivity. (15 Marks)
4. Discuss the climatic factors affecting water erosion. (15 Marks)
5. Explain the biological measures of erosion control. (15 Marks)

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