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**MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY**

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**University Examinations 2015/2016**

FIRST YEAR, FIRST SEMESTER EXAMINATION FOR THE CERTIFICATE IN AGRICULTURE

**AGR 0120: PRINCIPLES OF CROP PRODUCTION**

**DATE: NOVEMBER 2015 TIME: 11/2 HOURS**

**INSTRUCTIONS:** *Answer question* ***one*** *and any other* ***two*** *questions*

**QUESTION ONE (30 MARKS)**

1. Define the following terms
2. Agriculture (2 Marks)
3. Agronomy (2 Marks)
4. Briefly describe the advantages of crop rotation (6 Marks)
5. What are the advantages of chemical control of pests (6 Marks)
6. List the problems associated with the use of manure (6 Marks)
7. What are the advantages of minimum (zero) tillage (4 Marks)
8. What are the factors that influence plant spacing (4 Marks)

**QUESTION TWO (15 MARKS)**

1. Name and explain the main abiotic factors that influence agriculture (15 Marks)

**QUESTION THREE (15 MARKS)**

1. List down ways in which weeds compete with the crop (3 Marks)
2. Briefly discuss methods of weed control (12 Marks)

**QUESTION FOUR (15 MARKS)**

Discuss factors that are to be considered at harvesting crops (15 Marks)