

**MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY**

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**University Examinations 2015/2016**

SECOND YEAR FIRST SEMESTER EXAMINATION FOR DIPLOMA

IN

AGRICULTURE

**BIO 0112: ENTOMOLOGY AND PLANT PATHOLOGY**

**DATE: AUGUST 2016 TIME: 1 ½ HOURS**

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

**QUESTION ONE – (30 MARKS)**

1. Define the following terms
2. Plant pathology (1 mark)
3. Compete metamorphosis (1 mark)
4. Entomology (1 mark)
5. Wilting (1 mark)
6. Die back (1 mark)
7. Chlorosis (1 mark)
8. Susceptible (1 mark)
9. State at least three plant fungal diseases (3 marks)
10. Outline characteristics of class insecta (5 marks)
11. Giving examples, state two differences between chilopoda and diplopoda (2 marks)
12. Briefly discuss effect of pathogen on absorption and movement of water and nutrients in plant (4 marks)
13. State four factors that affect the development of disease epidemics (4 marks)
14. Give at least two examples of class arachnid and two main characteristics (4 marks)

**QUESTION TWO (15 MARKS)**

Discuss the stages of disease development (15 marks)

**QUESTION THREE (15 MARKS)**

Discuss factors that may have contributed to the success of insects. (15 marks)

**QUESTION FOUR (15 MARKS)**

1. State several ways you can classify plant disease (8 marks)
2. Discuss briefly importance of insects to human (7 marks)