

**W1-2-60-1-6**

## JOMO KENYATTA UNIVERSITY

**OF**

**AGRICULTURE AND TECHNOLOGY**

# UNIVERSITY EXAMINATIONS 2015/2016

**SECOND YEAR SECOND SEMESTER EXAMINATION FOR THE DEGREE OF**

**BACHELOR OF SCIENCE IN MEDICAL MICROBIOLOGY**

**MMB 2410: ENVIRONMENTAL MICROBIOLOGY**

**DATE: APRIL 2016 TIME: 2 HOURS**

**INSTRUCTIONS: ANSWER QUESTION ONE (COMPULSORY) AND ANY**

**OTHER TWO QUESTIONS**

**QUESTION ONE (30 MARKS)**

1. Write short notes on two micro organisms of environmental

concern. [6 marks]

1. Briefly describe microbial biodiversity. [6 marks]
2. State six detrimental associations sin microbial interactions. [6 marks]

1. Outline methods of microbial sampling. [6 marks]
2. Briefly describe modern environmental microbiology. [6 marks]

**QUESTION TWO (20 MARKS)**

Discuss climate change in relation to microbial activity in

the environment.

**QUESTION THREE (20 MARKS)**

Discuss applications of microbes in the environment.

**QUESTION FOUR (20 MARKS)**

Discuss microbial diversity and their inhibitor.