

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

## JOMO KENYATTA UNIVERSITY

**OF**

**AGRICULTURE AND TECHNOLOGY**

# UNIVERSITY EXAMINATIONS 2015/2016

**THIRD YEAR FIRST SEMESTER EXAMINATION FOR THE DEGREE OF**

**BACHELOR OF SCIENCE IN MEDICAL MICROBIOLOGY**

**MMB 2372: EPIDEMIOLOGY**

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

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

**OTHER TWO QUESTIONS**

**QUESTION ONE (30 MARKS)**

1. Outline contribution of William Fair and John Grant to

epidemiology. [6 marks]

1. Outline Koch’s and Evan’s postulations. [6 marks]
2. Briefly describe epidemiological triad. [6 marks]

1. Write short notes on epidemiologic disease prevalence. [6 marks]
2. Briefly describe epidemiologic evaluation and implementation

of findings. [6 marks]

**QUESTION TWO (20 MARKS)**

Discuss how the work of John Snow contributed to the

evolution of epidemiology

**QUESTION THREE (20 MARKS)**

Discuss the components of analytical epidemiology.

**QUESTION FOUR (20 MARKS)**

Discuss disease spectrum.