

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

## JOMO KENYATTA UNIVERSITY

**OF**

**AGRICULTURE AND TECHNOLOGY**

# University Examinations 2016/2017

**YEAR 4 SPECIAL/SUPPLEMENTARY EXAMINATIONS FOR THE DEGREE OF BACHELOR OF SCIENCE IN MEDICAL MICROBIOLOGY**

**MMB 2478: MEDICAL MICROBIOLOGY II**

**DATE: SEPTEMBER 2017 TIME: 2 HOURS**

**INSTRUCTIONS: ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER TWO QUESTIONS**

1a) Describe any two pus forming diseases caused by streptococcus pyogenes (6 marks)

b) Outline the virulence factors for Streptococcus pyogenes (4 marks)

c) Describe any two patholypes of E.coli (4 marks)

d) Describe any two pathogenic rikettsia (4 marks)

e) Describe the clinical features of Neisseria gonorrheae in females and in males (6 marks)

f) Describe CAMP test (6 marks)

2) Discuss the pathogenic species of Bacillus (20 marks)

3) Discuss the pathogenesis of tuberculosis (20 marks)

4) Discuss the specimen processing and laboratory identification of the pathogenic species of staphylococcus (20 marks)