

 W1-2-60-1-6

**JOMO KENYATTA UNIVERSITY**

**OF**

**AGRICULTURE AND TECHNOLOGY**

**UNIVERSITY EXAMINATIONS 2016/2017**

**YEAR III SEMESTER I SPECIAL/SUPPLIMENTARY EXAMINATIONS FOR THE DEGREE OF BACHELOR OF SCIENCE IN MICROBIOLOGY**

**MMB 2370: DIAGNOSTIC MEDICAL MICROBIOLOGY**

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

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

**QUESTION ONE**

(a)(i) Distinguish between septicemia and parasitemia. [2 marks]

 (ii) Outline SIX characteristics to show growth of microbes blood broth.[3 marks]

(b) Describe Aormine staining method. [5 marks]

(c) Explain methods of urine samples collection. [5 marks]

(d) Outline roles of normal flora. [5 marks]

(e) Describe rapid tests of detection of Neisseria gonorrhea. [5 marks]

(f) Describe culture and identification of *Bacteroides fragilis*. [5 marks]

**QUESTION TWO**

Discuss viral diagnostic methods. [20 marks]

**QUESTION THREE**

Discuss analysis of a CSF sample. [20 marks]

**QUESTION FOUR**

Discuss Laboratory Analysis of a Sputum Sample. [20 marks]