



KENYATTA UNIVERSITY
UNIVERSITY EXAMINATIONS 2011/2012
SECOND SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR
OF SCIENCE

SZH 206: BASIC MICROBIOLOGY

DATE: Thursday, 29th March, 2012

TIME: 4.30 p.m. – 6.30 p.m.

INSTRUCTIONS:

Answer **ALL** questions in Section A and any **ONE** question from Section B. Within a Section **ALL** questions carry equal marks. Illustrate your answers with diagrams and give examples where necessary.

Section A: Answer **ALL** questions (40 marks)

- Q.1 Explain the morphological identification of pathogens bacteria by microscopy.
- Q.2 Discuss the bacterial growth curve in relation to disease symptoms.
- Q.3 Describe briefly selective media.
- Q.4 Discuss briefly Salmonella infections in chicken.
- Q.5 Describe briefly Mycobacterium infections in animals.
- Q.6 Describe briefly Candida albicans infections in female animals.
- Q.7 Describe briefly Listenosis in cattle.
- Q.8 Describe the disease caused by Histoplasma Capsulatum in mammals.

Section B: Answer any **ONE** question (30 marks)

- Q.9 Write an essay on the bacterial infections of the urinary tract and uterus in cattle.
- Q.10 Write an essay on Mycotic infections in cattle.
- Q.11 Discuss the following viral diseases in animals.
 - i) Rinderpest
 - ii) Rabies