

BOWEN UNIVERSITY, IWO
DEPARTMENT OF BIOLOGICAL SCIENCES

2010/2011 FIRST SEMESTER EXAMINATION

MCB 406: MEDICAL AND VETERINARY MICROBIOLOGY
THEORY

Answer question 1 and one from each of sections B and C.

Answer questions 1, 2 and 3 in one booklet and questions 4 and 5 in another booklet.

Time: 2hrs 15 mins.

SECTION A

1. (a) List 5 important steps to prevent the spread of communicable diseases in a community.
- (b) (i) What are zoonotic diseases?
(ii) Write briefly on (a) Psittacosis
(b) Western equine encephalitis
(c) Salmonellosis

(25 Marks)

SECTION B

2. Explain the mechanisms of action of Sulphanomides and Trimethoprim, using the bacterial folic acid pathway (Appropriate diagrams are essential).
3. (a) What is mycoses?
(b) Mention 3 classes of mycoses. Give 2 examples of each class.

(25 Marks)

(25 Marks)

SECTION C

4. Discuss each of the following sexually transmitted diseases
(a) Contagious equine metritis
(b) Canine brucellosis
(c) Syphilis

(25 Marks)

5. Discuss toxins and their role in pathogenicity.

(25 Marks)