



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS
2017/2018 ACADEMIC YEAR
FOURTH YEAR SEMESTER TWO
FOR
THE DEGREE OF BACHELOR OF SCIENCE**

COURSE CODE: ZOO 421E

COURSE TITLE: PARASITOLOGY II

DATE: 26TH APRIL, 2018

TIME: 1100 – 1300 HRS

INSTRUCTIONS TO CANDIDATE

ANSWER ALL QUESTIONS IN SECTION "A" AND ANY TWO IN SECTION "B"

ILLUSTRATE YOUR ANSWERS WITH APPROPRIATE DIAGRAMS AND EXAMPLES

SECTION A COMPULSORY. ALL ANSWER ALL QUESTIONS 30MARKS

1. Define the terms:
 - a) Epidemiology
 - b) "Iceberg of disease"
 - c) Spectrum of disease. **(3marks)**
2. In reference to premunition and concomitant immunity explain how parasites persist within their hosts. **(3marks)**
3. Distinguish between the terms:
 - a) Endemic and pandemic
 - b) Active and passive surveillance
 - c) Prevalence and incidence of disease. **(3marks)**
4. Give 3 types of parasitic antigens. **(3marks)**
5. State 3 host susceptibility factors to parasitic infections. **(3marks)**
6. Write short notes on Protozoan infections. **(3marks)**
7. Give the full meaning of APCs and explain their role in immunity against parasitic infection. **(3marks)**
8. Give an explanation as to why serology is not the test of choice for diagnosis of parasitic infections. **(3marks)**
9. Explain briefly why parasites do not exert full virulence. **(3marks)**
10. State the significance of knowledge of incidence of disease. **(3marks)**

SECTION B Answer two questions 20marks each

11. Giving examples, discuss the immunological mechanisms used by parasites to evade immune attack **(20marks)**
12. Explain how individuals are protected against attack by parasites. **(20marks)**
13. Describe the mechanisms by which parasites cause damage to host. **(20marks)**
14. Discuss the epidemiological control of malaria. **(20marks)**

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