

MAASAI MARA UNIVERSITY

REGULAR UNIVERSITY EXAMINATIONS
2019/2020 ACADEMIC YEAR
THIRD YEAR SECOND SEMESTER
EXAMINATIONS
FOR THE DEGREE OF
BACHELOR OF SCIENCE
AND
BACHELOR OF EDUCATION (SCIENCE)

COURSE CODE: ZOO 3118/ZOO 410
COURSE TITLE: BASIC IMMUNOLOGY/
INTRODUCTION TO IMMUNOLOGY

DATE: 6TH DECEMBER, 2019 TIME: 0830-1030HRS

INSTRUCTIONS TO CANDIDATE

ANSWER ALL QUESTIONS IN SECTION A AND ANY TWO IN SECTION B. ILLUSTRATE YOUR ANSWERS WITH SUITABLE DIAGRAMS AND GIVE EXAMPLES WHEREVER NECESSARY.

Section A (30 marks). Answer ALL questions.	
1. Distinguish between:	3mks
a) Natural and Adaptive Immunity	
b) Antigen and Antibody	
c) Immunogen and Allergen	
2. Giving examples, define the following terms:	3mks
a) Primary Immune response	
b) Adjuvant	
c) Autoimmunity	
3. The immune response is a homeostatic process	s. Explain. 3mks
4. Describe the role of the spleen in immunity.	3mks
5. Describe the structure and function of neutrop	hils. 3mks
6. State the function of the secondary lymphoid o	rgans. 3mks
7. With the aid of a diagram, explain activation of	immune cells. 3mks
8. Name four types of immunogenic substances.	3mks
9. State three ways by which antibodies carry out	their actions. 3mks
10. A Rh- woman got married to a Rh+ man, expladuring pregnancy.	in what happens 3mks
SECTION B 40 marks. Answer TWO questions. 11. Describe phagocytosis as an immune mechanism. 12. Citing examples describe the interaction between in	(20marks) nate and adaptive
immunity.	(20marks)
13. Highlight the structure and function of immunoglob	ulins. (20marks)
14. Explain the production of antibodies for vaccination	. (20marks)

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