



EMBU UNIVERSITY COLLEGE
(A Constituent College of the University of Nairobi)

2015/2016 ACADEMIC YEAR

SECOND SEMESTER EXAMINATION

SECOND YEAR EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE
IN BIOLOGY

SZL 204: BASIC IMMUNOLOGY

DATE: APRIL 7, 2016

TIME: 02:00-04:00PM

INSTRUCTIONS:

ANSWER ANY TEN (10) QUESTIONS (7 MARKS EACH)

1. Discuss the functions of MHC-I molecule. (7 Marks)
 2. Discuss briefly the classical pathway of complement activation. (7 Marks)
 3. T-lymphocytes play a key role in cell mediated immunity. Discuss the statement. (7 Marks)
 4. Explain the role of the thymus and bone marrow in the body immune system. (7 Marks)
 5. Discuss briefly the ABO system of blood typing. (7 Marks)
 6. Explain the procedure for preparing and staining a wedge smear in the laboratory. (7 Marks)
 7. Discuss briefly the functions of IgG and IgM. (7 Marks)
 8. Describe the process of inflammation. (7 Marks)
 9. To achieve maximum immune response various cells of the immune system should work together. Discuss the statement. (7 Marks)
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10. Compare and contrast the primary and secondary immune responses. (7 Marks)
11. Discuss briefly how antibodies aid in elimination of antigens from the body. (7 Marks)
12. Discuss how NK cells recognize and attack tumor cells. (7 Marks)

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