



KENYATTA UNIVERSITY
UNIVERSITY EXAMINATIONS 2011/2012
INSTITUTIONAL BASED PROGRAMME (IBP) – DECEMBER SESSION
EXAMINATION FOR THE DEGREE OF BACHELOR OF MASTER OF SCIENCE
SZL 544: IMMUNOHAEMATOLOGY

DATE: Wednesday 2nd May, 2012

TIME: 9.00 a.m. – 12.00 p.m.

INSTRUCTIONS:

Answer any FOUR Questions.

ALL Questions carry equal Marks.

Illustrate you answers with diagrams and give examples where appropriate.

- 1) Discuss the cause, management and prevention of haemolytic disease of the newborn.
- 2) Discuss immunopathogenesis of the management of each of the following:
 - a) Sickle cell disease
 - b) Thalassaemia
- 3)
 - (a) Explain how the H gene influences the expression of ABO and Bombay blood groups.
 - (b) Discuss screening for ABO blood group system.
- 4)
 - (a) Discuss the procedure and application of direct and indirect agglutination tests in immunohaematology.
 - (b) Distinguish between 'Blood typing and Crossmatch'
- 5) Write an essay on Erythropoiesis.