



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR DEGREE OF MASTER OF SCIENCE IN
BIOMEDICAL SCIENCES
1ST YEAR 2ND SEMESTER 2023/2024 ACADEMIC YEAR
KISUMU CAMPUS

COURSE CODE: HPM 5123

COURSE TITLE: Immunology and Chemotherapy of Parasitic Infections

EXAM VENUE: STREAM: MSc Biomedical Sciences (Medical Parasitology)

DATE: EXAM SESSION:

TIME: 3.00 HOURS

Instructions:

- 1. Answer Question 1 and Any Other THREE Questions**
- 2. Candidates are advised not to write on the question paper.**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.**

Answer Question 1 and Any Other THREE Questions

1. Discuss the factors on which immune response to parasites depend on (15 mks)
2. Illustrate the overall functioning of the immune system (15 mks)
3. Citing examples, discuss the mechanisms used by parasites to *beat* the immune system (15 mks)
4. Describe the present status of immunization against parasitic infections, citing specific progress towards vaccine development and challenges faced in the 21st century.
(15 mks)
5. Describe the immune responses to a selected parasitic infection (15 mks)
6. Discuss the current state of treatment for a selected endemic parasitic disease, highlighting the progress, prospects and challenges (15 mks)