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JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY

UNIVERSITY EXAMINATIONS 2024/2025

FIRST YEAR FIRST SEMESTER EXAMINATION FOR THE DEGREE OF MASTER
OF SCIENCE IN PARASITOLOGY & ENTOMOLOGY

SZL 3125: CONTROL OF PARASITIC INFECTIONS

MAIN EXAMINATION

DATE: DECEMBER 2024

TIME: 3 Hours

INSTRUCTIONS: Answer any **FOUR** questions. Illustrate your answers where appropriate.

Question 1:

Relate parasites modes of entry into humans or animals with their control methods, giving specific examples of disease-causing agents. (25 Marks)

Question 2:

Analyze the life cycle of *Plasmodium spp*, *Trichomonas spp* and *Ascaris spp* in their hosts and / or vectors and other natural environments in relation to their control. (25 marks)

Question 3:

Relate epidemiological patterns of *Leishmania spp* and *Taenia spp* to their modes of transmission and control. (25 Marks)

Question 4:

Apply the concepts of disease control, eliminations, extinctions and eradications to local and global research on Malaria, Onchocerciasis and Lymphatic filariasis (25 Marks)

Question 5:

Recommend strategies for control of African and American *Trypanosoma spp*, *Entamoeba spp* and *Schistosoma spp* disease. (25 Marks)

Question 6:

Evaluate challenges facing disease control and prevention particularly in tropical countries. (25 Marks)