

CHUKA



UNIVERSITY

**UNIVERSITY EXAMINATIONS**

**EXAMINATION FOR THE AWARD OF MASTER OF MEDICAL PARASITOLOGY  
MEPA 871: CURRENT TRENDS IN MEDICAL PARASITOLOGY**

**STREAMS: MEPA**

**TIME: 3 HOURS**

**DAY/DATE: MONDAY 11/08/2025**

**2.30 P.M. – 5.30 P.M**

**INSTRUCTIONS**

**ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER TWO QUESTIONS**

1. Discuss the recent advancements in diagnostics of parasites of medical importance and the challenges faced in the management of parasitic infections (20Marks)

2. Discuss the lifecycle, pathogenesis, treatment and prevention measures of *Plasmodium falciparum* (20Marks)

3.a) Discuss the new discoveries in control and treatment of *Entamoeba histolytica* (10Marks)

b) The creation of new vaccine is a slow, systematic, expensive and laborious process that requires coordination between scientists, physicians, public health, industry and vaccine developers and society. Discuss the challenges faced in development of safe and effective vaccines (10Marks)

4a) Discuss using a specific example in each case, the new types of vaccines used to control parasites of medical importance. (10Marks)

b) “Recent discoveries in the field of epidemiology of parasites have shed light on various aspects of their transmission, control and impact on public health”. Discuss this statement. (10Marks)

5. Discuss the clinical features, pathogenesis, and immune response to *Schistosoma mansoni* infection (20Marks)

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