



MACHAKOS UNIVERSITY COLLEGE

(A Constituent College of Kenyatta University)
University Examinations for 2015/2016 Academic Year

SCHOOL OF PURE AND APPLIED SCIENCES

DEPARTMENT OF PHYSICAL SCIENCES

**FIRST SEMESTER EXAMINATION FOR DIPLOMA IN SCIENCE LAB
TECHNOLOGY**

SLT : PARASITOLOGY

DATE:

TIME:

INSTRUCTIONS:

- The paper consists of **two** sections.
- Section **A** is **compulsory**.
- Answer any **two** questions from section **B**.

SECTION A: ANSWER ALL QUESTIONS

1. a) Briefly explain the five types of parasites (5 marks)
- b) Many people exposed to pathogenic microbes do not get sick. State the reasons why. (5 marks)
- c) Define the following terms. (5 marks)
 - i. Homogenic Association
 - ii. Heterogenetic Association
 - iii. Phagocytosis
 - iv. Hyperplasia
 - v. Hypertrophy
- d) Explain the contributing factors to epidemiology (5 marks)

- e) State the contributing factors that lead to the spread and incidence of parasitic infections. (5 marks)
- f) Explain the factors that influence the causes of clinical diseases. (5 marks)

SECTION B: CHOOSE ANY TWO (2) QUESTIONS

- 2. Describe the types of symbiotic association (20 marks)
- 3. Describe the obstacles parasites face before establishing themselves in the vertebrate gut. (20 marks)
- 4. a) Explain the mechanisms employed by metazoan parasites and protozoans to anchor in their host. (10 marks)
b) Explain the mechanisms employed by metazoan parasites and protozoans to anchor in their host. (10 marks)
- 5. a) Describe the major phases of parasitism (10 marks)
b) Explain the routes of transmission of pathogens
- 6. a) Describe the methods used in controlling vectors responsible for transmitting parasitic diseases. (10 marks)
b) Explain the methods used in applying insecticides. (10 marks)