



ZIMBABWE

**MINISTRY OF HIGHER AND TERTIARY EDUCATION,
INNOVATION, SCIENCE AND TECHNOLOGY DEVELOPMENT**

**HIGHER EDUCATION EXAMINATIONS COUNCIL
(HEXCO)**

NATIONAL DIPLOMA

IN

ENVIRONMENTAL HEALTH

MODULE: Parasitology and Pest Control

PAPER NO:605/23/M08

DURATION: 3 Hours

JUNE 2026 EXAMINATION

REQUIREMENTS

INSTRUCTIONS TO CANDIDATE

Answer any five (5) questions.

QUESTION 1

Define the following terms as used in parasitology giving examples.

- i) Definitive host (4 marks)
- ii) Mechanical vector (4 marks)
- iii) Intermediate host (4 marks)
- iv) Commensalism (4 marks)
- v) Obligatory parasite (4 marks)

QUESTION 2

Discuss malaria under the following headings:

- a) Causative agent (4 marks)
- b) Prevention (8 marks)
- c) Control (8 marks)

QUESTION 3

- a) Discuss the economic importance of parasites. (10 marks)
- b) Describe and explain measures that can be used to control soil transmitted helminths. (STH) (10 marks)

QUESTION 4

Explain integrated Pest Management giving appropriate examples.

(20 marks)

QUESTION 5

Describe the potential effects of toxicity of pesticides on human beings. (20 marks)

QUESTION 6

- a) With the aid of diagram, describe the life cycle of schistomiasis. (15 marks)
- b) Describe the signs, symptoms and control measures of bilharzia. (5 marks)

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