

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF APPLIED SCIENCES

DEPARTMENT OF ENVIRONMENTAL SCIENCE AND HEALTH

FINAL EXAMINATION

PARASITOLOGY: EPH 1001

August 2012

Time Allowed: 3 hours

Total Marks: 100

INSTRUCTIONS:

Answer any FOUR questions. Each question carries 25 marks.

Question 1

Describe the pathology and life cycles of the causative agents of three human diseases caused by nematodes that use arthropods as vectors.

Question 2

Discuss how the human immune system responds to parasitic protozoa and helminth infections.

Question 3

Give an account of suitable strategies that should be adopted to eliminate acarina and the parasitic pathogens they transmit.

Question 4

Explain why human malaria has persisted not withstanding all efforts that have been mounted to eradicate it.

Question 5

Describe the life cycle and pathology of one trematode parasite likely to occur in irrigation schemes in Zimbabwe.

Question 6

Write an essay on trypanosomes which use Glossina and Reduviid bugs as vectors.

End of paper

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SUPPLEMENTARY EXAMINATION

PARASITOLOGY: EPH 1001

August 2013

Time Allowed: 3 hours

Total Marks: 100

INSTRUCTIONS:

Answer any FOUR questions. Each question carries 25 marks.

Question 1

Write a narrative on parasites that use Cyclops as their intermediate host stating their life cycles, pathology and control strategies.

Question 2

Give a narrative of three dipteran flies which are responsible for transmission of parasites in the SADC region and then explain the pathology in each parasite in the final host.

Question 3

Discuss how the kitchen knife can facilitate the distribution of parasites in a community.

Question 4

Write an essay on river blindness.

Question 5

Give an account of protozoan parasites that spend their lives in the alimentary of man and livestock.

Question 6

Describe the life cycle of three trematodes common in Zimbabwe and then explain the importance of controlling them.

End of paper

