



RAJARATA UNIVERSITY OF SRI LANKA
FACULTY OF APPLIED SCIENCES

B.Sc. (General) Degree in Applied Sciences
Third Year - Semester II Examination – October/November 2015

ZOO 3108–APPLIED PARASITOLOGY

Time: One and a half (1½) hours

Answer any three (03) questions.

Illustrate your answers with labeled diagrams where appropriate.

- 1) Write concisely on the transmission and clinical symptoms during infection for each of the following parasites.

a) <i>Enterobius vermicularis</i>	b) <i>Ascaris lumbricoides</i>
c) <i>Taenia solium</i>	d) <i>Chlonorchis sinensis</i>
- 2) Write a comparative account on the life cycles of *Entamoeba histolytica* and *Fasciola hepatica* with special reference to adaptations that enhance transmission to host.
- 3) Write short notes on any four of the following;
 - a) phoresis, parasitism and commensalism
 - b) prevalence and incidence
 - c) hydatid worm
 - d) whip worm
 - e) vector and host
- 4) By means of flow charts only, show the life cycles of *Giardia lamblia*, *Trypanosoma brucei gambiense*, *Echinococcus granulosus*, and *Schistosoma japonicum*.

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Faculty of Applied Science
Rajarata University of Sri Lanka
Mihintale.