



**RAJARATA UNIVERSITY OF SRI LANKA
FACULTY OF APPLIED SCIENCES**

**Bachelor of Science in Applied Sciences
Third year – Semester II Examination – January/February 2023**

ZOO 3202 –APPLIED PARASITOLOGY

Time: Two (02) hours

Answer All questions.

1. Write an account on the life history of a named Pseudophyllidean tapeworm and the relevant parasitic disease, which is common among people who consume 'Sushi'.
(100 marks)

2. Describe the life cycle of *Schistosoma haematobium* and state the methods to diagnose different life cycle stages of the parasite in the definitive host, intermediate host and in the environment.
(100 marks)

3. A "scotch tape" test revealed that the eggs were transparent and had an oval shape, with one end slightly flat and the other convex.

Identify the above parasitic species, disease caused by it. Describe its life cycle to relate how the "scotch tape" test is an effective diagnostic method.
(100 marks)

4. a) "Due to the rapid deforestation and urbanization, non-human primates such as monkeys and langurs are invading human settlements which can lead to the transmission of some zoonotic tapeworm diseases to human."

Discuss the above statement by using an appropriate example.
(70 marks)

- b) Write a brief account on cysticercosis caused by *Taenia solium* in human. (30 marks)

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