

B.Sc./B.Ed. DEGREE PROGRAMME - 2006/2007
PARASITOLOGY - ZOU 3164/ZOE 5164
LEVEL 05
OPEN BOOK TEST 1
16th JULY 2006

REGISTRATION NO.

PART B (80 marks)

Questions 2- 5: Write answers within the space provided.

2. Compare and contrast the life cycle of *Trypanosoma brucei* with that of *Giardia lamblia*.

<i>Trypanosoma brucei</i>	<i>Giardia lamblia</i>
1.	
2.	
3.	
4.	
5.	
6.	

Contd.....

3. List the *major differences* between the morphology of the life cycle stages of *Giardia lamblia* and *Balantidium coli*.

<i>Giardia lamblia</i>	<i>Balantidium coli</i>
1.	
2.	
3.	
4.	
5.	
6.	
7.	
8.	

Contd....

4. The following questions are based on *Paragonimus westermani*.

4.1 Briefly explain three (03) adaptations present in *Paragonimus westermani* for parasitism.

(1)

(2)

(3)

4.2 You are asked to investigate whether a person is infected with *Paragonimus westermani*.

a) What steps would you take to carry out this investigation in the laboratory?

b) How would you make a definite diagnosis of the infection?

Contd....

5. The Health Ministry requests your advice on how to reduce the risk of paragonimiasis transmission in a particular area of Sri Lanka.

- (a) List three (03) main prevention and control strategies you would focus on to reduce the transmission of the infection.
- (b) Explain one (01) measure you would recommend to be taken either by the individuals living in that area or by the Government to achieve each one of the control strategies you listed above.

(1)

(2)

(3)
