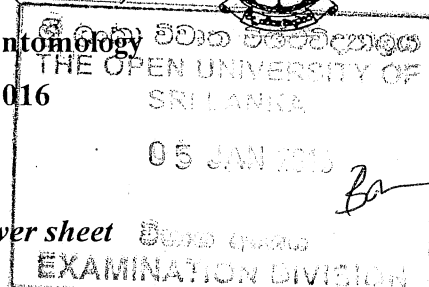


The Open University of Sri Lanka  
 Bachelor of Medical Laboratory Sciences (B.MLS)  
 MLU3147- Diagnostic Parasitology and Entomology  
 Semester 01- Academic year 2015/2016



**Final Examination**

*Return your question paper with the answer sheet*

**Date: 05.01.2016**

**Duration – 2 hours**

**Time: 01.30 p m - 03.30 p m**

**Index No.....**

Please read the following instructions carefully before you answer the paper.

**(100 marks)**

**Part – A (30 marks)**

There are 30 multiple choice questions in this paper, each question with five responses. Select the correct response and mark in the given answer sheet.

**Part - B (30 marks)**

You are given two structured essay questions. The questions contain four/five parts. Answer all the questions in given spaces.

**Part – C (40 marks)**

You are given two essay questions. You should answer only one question. Use separate answer sheets to answer the selected question.

**Good Luck!**

Index No.....

**Part B- Structured Essay Questions (30 marks)**

**SEQ – 01 (15 marks)**

1. List four methods of transmission of toxoplasmosis to humans. (4 marks )

- i. ....
- ii. ....
- iii. ....
- iv. ....

2. Name two groups in whom cryptosporidiosis is common. ( 2 marks )

- i. ....
- ii. ....

3. State three identification features of *Cryptosporidium* oocysts in Modified Zeihl Nielsen stained faecal smear. (6 marks )

- i.....  
.....
- ii. ....  
.....
- iii. ....  
.....

Index No.....

- 4. Name one helminthic parasitic infection in immune-compromised hosts, its infective stage to humans and mode of transmission to humans. ( 3 marks )

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**SEQ – 02 (15 marks)**

- 1. List three (3) features that enabled you to identify common krait (*Bungarus carinatus*). ( 3 marks)

- i.....
- ii.....
- iii.....

- 2. List five (5) investigations you would perform in a patient with Russell’s viper bite. (5 marks)

- i.....
- ii.....
- iii.....
- iv.....
- v.....

Index No.....

3. List five (5) clinical features you would look in a patient following a Russell's viper envenoming. (2.5 marks)

- i.....
- ii.....
- iii.....
- iv.....
- v.....

4. List five (5) pieces of advice you would give to a family following a snake bite to prevent further bites in future. (2.5 marks)

- i.....
- ii.....
- iii.....
- iv.....
- v.....

5. Write two (2) physical disabilities that can occur in a patient with venomous snake bite envenoming. (2 marks)

- i.....
- ii.....

**Part C-Essay Questions – (40 marks)****Answer only one question**

1. Write short notes on
    - 1.1 Laboratory diagnosis of strongyloidiasis infection in man (14 marks)
    - 1.2 Diagnostic features of *Schistosoma* eggs that help in differentiating the parasite species (12 marks)
    - 1.3 Usefulness of malaria rapid diagnostic tests (RDTs) in Sri Lanka (14 marks)
  
  2. Describe in detail the production processes involved in manufacturing indigenous polyvalent anti snake venom for Sri Lanka. (40 marks)
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