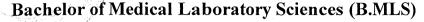
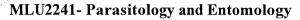
The Open University of Sri Lanka

Department of Medical Laboratory Sciences





Semester 01- Academic year 2015/2016

No Book Test 02

Return the question paper with the answer sheet

Date: 24.03.2016

Duration $-1^{1}/_{2}$ hours

Time: 10.00am - 11.30am

Registration No.....

Please read the following instructions carefully before you answer the paper. Question paper consists of 4 Parts. Part A, B, C and D.

Answer ALL questions.

Part - A (20 marks)

There are 10 multiple choice questions in this paper, each question with four responses. Select the **correct response** and mark in the given answer sheet.

Part - B (30 marks)

You are given 15 matching questions. Fill in the blanks or draw lines to match the answers.

Part C (20 marks)

Structured Essay question. The question contains five parts. Answer the questions in the given spaces.

Part - D (30 marks)

You are given 02 short essay questions. Answer in a separate answer book.

Total marks: 100

Good Luck!

The Open University of Sri Lanka Bachelor of Medical Laboratory Sciences (B.MLS) MLU2241- Parasitology and Entomology NBT 2 - 2015/2016

Part - B

Date: 24.03. 2016

Part - B (30 marks)

Registration Number:----

3. Will not carry human diseases

5. Assist forensic pathologists to decide

4. Vector of Plague

the time of death.

 2.(a) Match the statements in column A (1-5) with one given below. Write your answer in column B. P). Culex mosquitoes Q). Anopheles mosquitoes S). Chrysomia T). Pediculus humanus 	oes R). Xenopsylla sp.
Column A	Column B
Gravid collection method	
Larva stays parallel to water surface	

2 (b). Draw only one line to match the disease/causative agent in column A with one specimen listed in column B, which could be used for its detection.

Column A Disease /causative parasite 1 Fasciola hepatica eggs		Column B Specimen Adhesive tape smear	Specin	
2	Wucheraria bancrofti microfilaria	Faeces	Faeces	
3	Schistosoma haematobium eggs	Blood	Blood	
4	Enterobius eggs	Urine	Urine	
5	Babesia	CSF		

2(c). Match the diagnostic method in column P with the type of specimen/s used in column Q

Diagnostic method

Diagnostic method Column P	Specimen used Column Q	
1. Concentration techniques	Stool	
2. Enzyme immunosorbent Assay	Muscle biopsy	
3. Haemocytometer method	Blood	
4. QBC technique (Quantitative technique)	Urine	
5. Culture technique	living animals	
Part C – Structured essay (20 marks)		
Question No 3. 3.1. Name two species of hookworms that infect man.		
i ii		
3.2. Write the modes of transmission of parasites that you r		
		
3.3. Name different stages of the life cycle of hookworm.		
i iii iii	iv	
3.4. Name the infective stage of above mentioned parasites to	human.	

3.5. State three (3) sites at which hookworms can be present in humans and the symptoms caused.

Site		Symptoms of the infection	
1.			
2.	•		
3.			

Part D – Short essay (30 marks) (Use answer books)

Question No: 04

- 4. a. Write a short essay on the different methods used by insect vectors to transmit infective agents, giving suitable examples.
 - b. Write a short essay on adaptations of intestinal parasites for their parasitic mode of life.