



FACULTY OF ALLIED HEALTH SCIENCES, UNIVERSITY OF RUHUNA
 Department of Nursing
 2nd End Semester Examination – 2020 - 11th Batch
 Microbiology and Parasitology in Nursing (NUR 1242) – SEQ



Date: 12th October 2020

Time: 10.30 a.m.-12.30 p.m.

Duration: 2 hours

Index Number:

Answer all the questions.

1. A 45-year-old farmer admitted to the hospital with suspected pneumonia.

1.1. Give **two (02)** typical clinical features of pneumonia. (10 marks)

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1.2. Name **three (03)** possible bacteria causing pneumonia with typical clinical features (**typical pneumonia**) in this patient. (15 marks)

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1.3. Name **two (02)** possible bacteria causing pneumonia with atypical clinical features (**atypical pneumonia**) in this patient. (10 marks)

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1.4. Briefly describe how atypical pneumonia differs from typical pneumonia. (15 marks)

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- 3.
- 3.1. A range of parasites causes intestinal infections.
- 3.1.1. List the parasites which can cause intestinal infections. (18 marks)

Habitat	Parasite
Small intestine	1.
	2.
	3.
Large intestine	1.
	2.
	3.

- 3.1.2. Name dysentery causing parasites mentioned in 3.1.1 and describes how they cause dysentery. (12 marks)

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3.2. Parasitic diseases are being diagnosed using a range of diagnostic tests.

3.2.1. State one (01) disease which can be diagnosed by isolating following parasitic stages. (18 marks)

Stage	Disease
Microfilariae
Cysts
Filariform larvae
Eggs
Amastigotes
Oocysts

3.2.2. State diagnostic tests under each category of tests for diseases mentioned in 3.2.1. (20 marks)

Stage	Routine test	Higher sensitive test
Microfilariae		
Cysts		
Filariform larvae		
Eggs		

Amastigotes		
Oocysts		

3.2.3. Describe the advantages of the higher sensitivity test for microfilariae mentioned 3.2.2. (12 marks)

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4.

Briefly describe the measures to prevent transmission of intestinal nematode infections caused by below organisms. (25 marks x 4)

4.1. *Ascaris lumbricoides*

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4.2. *Necator americanus*

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4.3. *Trichuris trichiura*

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4.4. *Enterobius vermicularis*

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