



FACULTY OF ALLIED HEALTH SCIENCES, UNIVERSITY OF RUHUNA

Department of Nursing

2nd End Semester Examination – 2022 – 2019/2020 (13th) Batch

NUR 1242 - Microbiology and Parasitology in Nursing – SEQ I

Date: 21st September 2022

Time: 10.45 a.m.-11.15 a.m.

Duration: 30 minutes

Index Number:

1. A 42-year-old man was admitted to a hospital with features suggestive of community-acquired pneumonia.

1.1 List **three (03)** clinical features of pneumonia. (15 marks)

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1.2 List **four (04)** possible bacteria causing pneumonia in this patient. (20 marks)

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1.3 List the microbiological investigations that can be performed to confirm the diagnosis of pneumonia. (15 marks)

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Time: 11.15 a.m.-11.45 a.m.

Duration: 30 minutes

Index Number:

2.1 A 65-years-old woman presented with lymphoedema in her right leg with ulcers in between her toes. She was diagnosed with lymphatic filariasis after investigations.

2.1.1 List two (02) probable parasites which can cause the above presentation? (10 marks)

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2.1.2 Describe the mode of transmission in the above presentation. (10 marks)

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2.1.3 List four (4) measures to control the parasites mentioned in 2.1.1. (10 marks)

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2.1.4 Outline the management of the above case presentation. (20 marks)

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Time: 11:00 am - 12:30 pm
Duration: 90 minutes

1.1 A 52-year-old woman presented with lymphadenitis in her right leg with fever in her right leg. She was treated with antibiotics after investigation.

1.1.1 List two (02) probable parasites which can cause the above presentation. (10 marks)

2.2 A 5-years-old boy presented with peri-anal itching, insomnia and restlessness at night. On examination, a clinician collected two creamy white one-and-a-half centimetre-long small nematodes from the perianal region.

2.2.1 State the most probable causative parasite and the disease of the above presentation. (10 marks)

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2.2.2 Describe the mode of transmission of the disease mentioned in 2.2.1. (10 marks)

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2.2.3 Faecal examination has revealed an oval-shaped thin-shelled egg stage of a different parasite. The boy's FBC showed that the Hb count was below the expected level.

State the most probable causative parasite in the above presentation and list two (2) differences between the same parasite and the parasite mentioned in 2.2.1 related to their life cycles.

(10 marks)

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2.2.4 List four (4) important steps in preventing diseases caused by parasites mentioned above.

(20 marks)

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