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THE OPEN UNIVERSITY OF SRI LANKA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF MEDICAL LABORATORY SCIENCES
ACADEMIC YEAR 2022/2023 – SEMESTER I

BACHELOR OF MEDICAL LABORATORY SCIENCES HONOURS
MDU6302 – PUBLIC HEALTH MICROBIOLOGY – LEVEL 6
FINAL EXAMINATION DURATION: 03 HOURS

DATE:22ND MARCH 2023 TIME: 09.30AM –12.30PM

INDEX NO: .....

2.2 Influenza A viruses are the only influenza viruses known to cause flu **pandemics**. Briefly explain the reason for this. (04 marks)

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2.3 Briefly discuss why is it important to give seasonal influenza vaccine yearly. (04 marks)

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(Total: 10 Marks)

3. Dengue is a vector borne disease endemic in Sri Lanka.

3.1 What is meant by "vector-borne "diseases? (01 mark)

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3.2 Compare and contrast the mechanical and biological vectors, giving examples.(04 marks)

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3.3 Discuss vector control strategies that are used for prevention and control of dengue in Sri Lanka. (05 marks)

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(Total: 10 Marks)

4. The novel coronavirus is a model for understanding what exactly a pandemic is and how it influences public health globally.

4.1 Define the following terms used to express the rate of disease spread. State one example disease in the Sri Lankan context to explain each event.

(a) Outbreak (2.5 marks)

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(b) Endemic (2.5 marks)

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(c) Epidemic (2.5 marks)

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(d) Pandemic (2.5 marks)

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(Total: 10 Marks)

PART C – Essay Questions (30 marks)

1. Discuss the importance of immunization programme in public health.

(15 marks)

2. Critically evaluate the impact of changing food behaviors and globalization in the increase of spread of food borne pathogens worldwide. (15 marks)

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