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THE OPEN UNIVERSITY OF SRI LANKA

FACULTY OF HEALTH SCIENCES

DEPARTMENT OF MEDICAL LABORATORY SCIENCES

ACADEMIC YEAR 2019/2020 – SEMESTER I

BACHELOR OF MEDICAL LABORATORY SCIENCES HONOURS


MDU6302 – PUBLIC HEALTH MICROBIOLOGY

FINAL EXAMINATION

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THE OPEN UNIVERSITY

25, SEP 2020



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EXAMINATION DIVISION

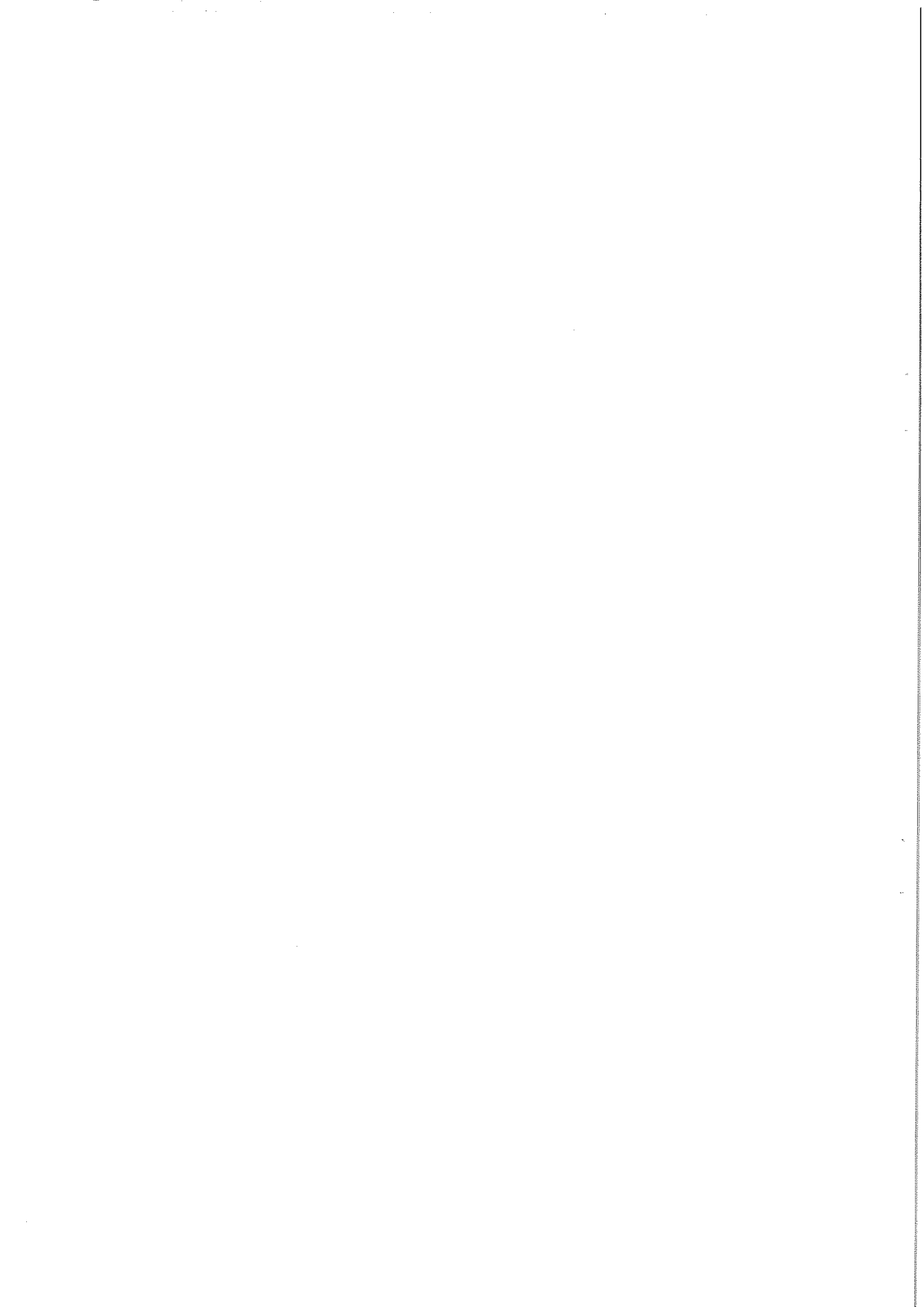
DURATION: THREE HOURS

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DATE: 25<sup>TH</sup> SEPTEMBER 2020

TIME: 9.30 AM – 12.30 PM

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1.4 How do you prevent *Giardia* infections?

(02 marks)

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**(Total: 10 Marks)**

**Question 2**

2.1 What is meant by 'sexually transmitted infection (STI)'?

(02 marks)

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2.2 What are the modes that STIs are transmitted?

(03 marks)

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2.3 List the most important STIs occurring in Sri Lanka.

(02 Marks)

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2.4 Discuss the reasons why STIs are a public health concern.

(03 Marks)

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(Total: 10 Marks)

**Question 3**

3.1 Define the term "Zoonosis".

(01 Mark)

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3.2 How zoonotic diseases are transmitted ?

(02 Marks)

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3.3 Explain how human rabies is transmitted to a susceptible human host in Sri Lanka.

(03 Marks)

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3.4 Briefly describe laboratory diagnosis of rabies.

(04 Marks)

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**(Total: 10 Marks)**

**Question 4**

4.1 Write on history of first vaccines administered in the world. (03 Marks)

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4.2 List ideal features of a vaccine? (02 marks)

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4.3 What is the role of vaccines? (02 marks)

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4.4 Compare and contrast live attenuated and killed vaccines.

(03 Marks)

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**(Total: 10 Marks)**

**PART C – Essay Questions (30 marks)**

1. List three examples of water borne disease. Write a short note on laboratory diagnosis of waterborne gastroenteritis. (15 Marks)
2. Write a short note on biological warfare, bioterrorism and bio crime. (15 Marks)