

The Open University of Sri Lanka
Faculty of Natural Sciences
Advance Certificate Programme in
Laboratory Technology



Department	: Zoology
Level	: 2
Name of the Examination	: Final Examination
Course Code and Title	: ZYC2201- LABORATORY ORGANIZATION, MANAGEMENT AND SAFETY (Theory)
Academic Year	: 2025/2026
Date	: 28.09.2025
Time	: 9.30 am – 11:30 am
Duration	: 2 hours

PART B

Q2. This question is based on the construction of biological laboratories.

2.1 List the **four main parts** of a typical biological laboratory and briefly mention function of each part.

I

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II

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III

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IV

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2.2 "Ventilation" is a main requirement of a typical biological laboratory. List **four other features** and briefly describe each. (12 Marks)

I

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II

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III

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IV

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(8 Marks)

2.3 List the **four** main ancillaries of a biology laboratory and briefly mention the main uses of them.

I

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II

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III

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IV

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(12 Marks)

Q3 This question is based on the cleaning and maintaining of laboratories.

3.1 Mention **three** importances of cleaning and maintaining the order of a laboratory.

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(3 Marks)

3.2 What is the importance of maintaining an inventory for laboratory equipment?

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(2 Marks)

3.3 List **four types** of information that should be included in the above-mentioned inventory.

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(2 Marks)

3.4 List **three types** of inventories maintain in the laboratories other than equipment inventory?

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(3 Marks)

3.5 Describe the following with suitable examples.

Cleaning

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(3 Marks)

Disinfection

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(3 Marks)

Sterilization

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(3 Marks)

Q4 This question is based on laboratory safety.

4.1 List **three** important safety measures/practices that you need to follow when you are working in a biology laboratory.

I

II

III

(3 Marks)

4.2 State **four** general rules of a research laboratory that must be adhered to avoid emergency situations by the research students.

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(4 Marks)

4.3 What is meant by the term "fire triangle"?

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(2 Marks)
