

The Open University of Sri Lanka
Faculty of Engineering Technology
Department of Agricultural & Plantation Engineering



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| Study Programme | : Bachelor of Industrial Studies Honours (Agriculture) |
| Name of the Examination | : Final Examination |
| Course Code and Title | : AGX5277 Food Safety and Quality Management Systems |
| Academic Year | : 2022/2023 |
| Date | : 10 th February 2024 |
| Time | : 13.30-16.30 hrs |
| Duration | : 3 hours |

SECTION 2: Answer any four (04) questions.

1. Critically evaluate the safety precautions and standards needed to be maintained by a fruit juice processing factory to assure the safety of the final product. (25 Marks)
2. a) Briefly explain the role of an auditor in the certification process of ISO 22000:2018. (12.5 Marks)
b) Discuss how do Sri Lankan Food Act helps to assure food safety. (12.5 Marks)
3. Explain the importance of having laws, rules, and regulations to assure imported product quality and safety considering the example of imported confectionery. (25 Marks)
4. Discuss the factors to be considered to obtain Good Agricultural Practices (GAP) and Good Manufacturing Practices (GMP) certificates for an organic fruit juice company. (25 Marks)
5. a) List five (05) SLSI-certified products available in the market. (10 Marks)
b) Briefly explain the Product certification process to obtain the Sri Lanka Standard (SLS) certificate for bottled water. (15 Marks)
6. a) Briefly discuss the role of the Sri Lanka Accreditation Board (SLAB) in controlling food safety and the Food trade. (12.5 Marks)
b) What are the benefits of ISO 9001? (12.5 Marks)