

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



Study Programme	: Bachelor of Science Honours (Agricultural Engineering)
Name of the Examination	: Final Examination
Course Code and Title	: AGX3201 Basic biology
Academic Year	: 2022/2023
Date	: 11 th February 2024
Time	: 13.30 - 16.30 hrs
Duration	: 3 hours

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SECTION 2: Answer any four (04) questions.

1. Explain the structure of the nucleotide (25 marks).
2. Write short notes on,
 - a. Watson – Crick DNA double helix (15 marks).
 - b. Ribonucleic acid (RNA) (10 marks)
3. Differentiate between prokaryotic and eukaryotic cells (25 marks)
4. Explain the structure of cell membrane (25 marks)
5. Discuss the structure and function of “Power house” of the cells. (25 marks)
6. Explain the Glycolysis in cellular respiration. (25 marks)